

## Citation index

Adams, F. C., Lada, C. J. & Shu, F. H., 1987. <i>Astrophys. J.</i> , <b>312</b> , 788.	27, 52, 226
Adams, F. C., Lada, C. J. & Shu, F. H., 1988. <i>Astrophys. J.</i> , <b>326</b> , 865.	52, 53, 119
van Albada, G. D., 1985. <i>Astron. Astrophys.</i> , <b>142</b> , 491.	145
van Albada, G. D. & Roberts, W. W., 1981. <i>Astrophys. J.</i> , <b>246</b> , 740.	99
Alexander, A. F., 1962. <i>The Planet Saturn</i> , MacMillan Co, New York, NY.	1
Allen, R. J., Atherton, P. D. & Tilanus, R. P. J., 1986. <i>Nature</i> , <b>319</b> , 296.	129
Allen, R. J. & Goss, W. M., 1979. <i>Astr. Astrophys., Suppl. Ser.</i> , <b>36</b> , 135.	129
Anderson, C. M., Oliverson, N. A. & Nordsieck, K. H., 1980. <i>Astrophys. J.</i> , <b>242</b> , 188.	85
Antipov, S. V., <i>et al.</i> 1988. <i>Physics of Plasmas</i> , <b>14</b> , 1104.	187
Antonov, V. A., 1976. <i>Uchen. zap. Leningrad Univ. (Sov.)</i> , <b>32</b> , 79.	200
Appenzeller, I., Jankovics, I. & Ostriecher, R., 1984. <i>Astron. Astrophys.</i> , <b>141</b> , 108.	53
Arnaud, K. A., Branduari-Raymont, G., Culhane, J. L., Fabian, A. C., Hazard, C., McGlynn, T. A., Shafer, R. A., Tennant, A. F. & Ward, M. J., 1985. <i>Mon. Not. R. Astron. Soc.</i> , <b>217</b> , 105.	82
Artymowicz, P., 1988. <i>Astrophys. J. Lett.</i> , <b>335</b> , L79.	44, 47
Artymowicz, P., Burrows, C. & Paresce, F., 1989. <i>Astrophys. J.</i> , <b>337</b> , 494.	43, 44, 45, 48
Athanassoula, E. & Bosma, A., 1985. <i>Annu. Rev. Astron. Astrophys.</i> , <b>23</b> , 147.	21
Athanassoula, E., Bosma, A., Creze, M. & Schwarz, M. P. 1982. <i>Astron. Astrophys.</i> , <b>107</b> , 101.	144
Athanassoula, E. & Sellwood, J. A., 1986. <i>Mon. Not. R. Astron. Soc.</i> , <b>221</b> , 213.	176
Aumann, H. H., 1985. <i>Publ. Astron. Soc. Pac.</i> , <b>97</b> , 885.	47
Aumann, H. H., 1988. <i>Astron. J.</i> , <b>96</b> , 1415.	47, 48
Baan, W. A. & Haschick, A. D., 1983. <i>Astron. J.</i> , <b>88</b> , 1088.	144
Backman, D. E. & Gillett, F. C., 1987. In <i>Cool Stars, Stellar Systems and The Sun</i> , p. 340, ed. Linsky, J. L. & Stencel, R. E., Springer-Verlag, New York.	47, 48
Backman, D. E., Gillett, F. C. & Witteborn, F. C., 1989. <i>Astrophys. J.</i> , (in press).	45, 47, 48
Bahcall, J. N., 1984. <i>Astrophys. J.</i> , <b>276</b> , 169.	137
Bahcall, J. N., 1984. <i>Astrophys. J.</i> , <b>287</b> , 926.	137
Bailey, M. E., 1980. <i>Mon. Not. R. Astron. Soc.</i> , <b>191</b> , 195.	141
Bailey, M. E., 1982. <i>Mon. Not. R. Astron. Soc.</i> , <b>200</b> , 247.	141
Bailey, M. E., 1985. In <i>Cosmical Gas Dynamics</i> , p. 49, ed. Kahn, F. D., VNU Science Press, Utrecht.	141
Bailey, M. E. & Clube, S. V. M., 1978. <i>Nature</i> , <b>275</b> , 278.	141
Ball, R., 1986. <i>Astrophys. J.</i> , <b>307</b> , 453.	132
Bally, J. & Lada, C. J., 1983. <i>Astrophys. J.</i> , <b>265</b> , 824.	67
Bally, J., Snell, R. L. & Predmore, R., 1983. <i>Astrophys. J.</i> , <b>272</b> , 154.	56
Bastian, U. & Mundt, R. 1985., <i>Astron. Astrophys.</i> , <b>144</b> , 57.	53
Batchelor, J., 1973. <i>An Introduction for Fluid Dynamics</i> , Mir, Moscow.	190
Becklin, E. E. & Zuckerman, B. 1989. In <i>Millimetre and Submillimetre Astronomy</i> , proceedings of the URSI Symposium, ed. Philipps, T., Kluwer Academic Press, Dordrecht, in preparation.	47
Beckwith, S., Zuckerman, B., Skrutskie, M. & Dyck, H., 1984. <i>Astrophys. J.</i> , <b>287</b> , 793.	54
Begelman, M. C., Blandford, R. D. & Rees, M. J., 1984. <i>Rev. Mod. Phys.</i> , <b>56</b> , 255.	99
Begelman, M. C., McKee, C. F. & Shields, G. A., 1983. <i>Astrophys. J.</i> , <b>271</b> , 70.	84
Bell, R., Clarke, C. & Lin, D. N. C., 1989. In preparation.	36
Bell, R., Lin, D. N. C. & Ruden, S. P., 1989. In preparation.	31, 37

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Bertin, G. & Lin, C.C., 1988. In <i>Evolution of Galaxies</i> , p. 255, (Proceedings of the 10th IAU Regional Astronomy Meeting). Ed. J. Palouš, Publ. Astron. Inst. Czech. Acad. Sci. <b>69</b> .	199, 200, 204
Bertin, G., Lin, C. C., Lowe, S. A. & Thurstans, R. P., 1989. <i>Astrophys. J.</i> , <b>338</b> , pp. 78 & 104.	170
Bertin, G. & Romeo, A. B., 1988. <i>Astron. Astrophys.</i> , <b>195</b> , 105.	209, 210
Bertola, F., Buson, L. M. & Zeilinger, W. W., 1988. <i>Nature</i> , <b>335</b> , 705.	147
Bertola, F., Galletta, G., Kotanyi, C. & Zeilinger, W. W., 1988. <i>Mon. Not. R. Astron. Soc.</i> , <b>234</b> , 733.	147
Bertout, C., Basri, G. & Bouvier, J., 1988. <i>Astrophys. J.</i> , <b>330</b> , 350.	27, 52
Bieging, J., 1984. <i>Astrophys. J.</i> , <b>286</b> , 591.	56
Bieging, J., Cohen, M. & Schwartz, P., 1984. <i>Astrophys. J.</i> , <b>282</b> , 699.	50
Binney, J. & Petrou, M., 1985. <i>Mon. Not. R. Astron. Soc.</i> , <b>214</b> , 449.	142
Bisnovaty-Kogan, G. S. & Zel'dovich, Ya. B., 1970. <i>Astrophysica (Sov.)</i> , <b>6</b> , 149.	199
Bland, J. & Tully, R. B., 1989. <i>Astron. J.</i> , <i>in press</i> .	143
Bodenheimer, P. H. & Pollack, J., 1986. <i>Icarus</i> , <b>67</b> , 391.	28
Bodenheimer, P., Yorke, H. W., Rozyczka, M. & Tohline, J. E., 1989. In <i>Formation and Evolution of Low-Mass Stars</i> , eds. Dupress, A. & Lago, M. T. V. T., Reidel, Dordrecht, <i>in press</i> .	33
Borderies, N., 1987. <i>Bull. Am. Astron. Soc.</i> , <b>19</b> , 891.	21
Borderies, N., 1989. <i>Icarus</i> , <i>in press</i> .	21
Borderies, N., Goldreich, P. & Tremaine, S., 1982. <i>Nature</i> , <b>299</b> , 209.	12, 13, 19, 20, 21
Borderies, N., Goldreich, P. & Tremaine, S., 1983. <i>Icarus</i> , <b>55</b> , 124.	19, 20
Borderies, N., Goldreich, P. & Tremaine, S., 1983. <i>Astron. J.</i> , <b>88</b> , 1560.	19, 22
Borderies, N., Goldreich, P. & Tremaine, S., 1983. <i>Astron. J.</i> , <b>88</b> , 226.	22
Borderies, N., Goldreich, P. & Tremaine, S., 1984. In <i>Planetary Rings</i> , p. 713, eds. Greenberg, R. & Brahic, A., University of Arizona Press, Tuscon, AZ.	21
Borderies, N., Goldreich, P. & Tremaine, S., 1984. <i>Astrophys. J.</i> , <b>284</b> , 429.	22
Borderies, N., Goldreich, P. & Tremaine, S., 1985. <i>Icarus</i> , <b>63</b> , 406.	22
Borderies, N., Goldreich, P. & Tremaine, S., 1986. <i>Icarus</i> , <b>68</b> , 522.	9, 13, 21
Borderies, N., Goldreich, P. & Tremaine, S., 1989. <i>Icarus</i> , <i>in press</i> .	21
Borderies, N., Gresh, D. N., Longaretti, P-Y. & Marouf, E. A., 1988. <i>Bull. Am. Astron. Soc.</i> , <b>20</b> , 844.	22
Bosma, A., Goss, W. M. & Allen, R. J., 1981. <i>Astron. Astrophys.</i> , <b>93</b> , 106.	130
Bothun, G. D. & Dressler, A., 1986. <i>Astrophys. J.</i> , <b>301</b> , 57.	214
Bottema, R., 1988. <i>Astron. Astrophys.</i> , <b>197</b> , 105.	177
Brackmann, E. & Scoville, N., 1980. <i>Astrophys. J.</i> , <b>242</b> , 112.	67
Brebner, G. C., Heaton, B., Cohen, R. J. & Davies, S., 1987. <i>Mon. Not. R. Astron. Soc.</i> , <b>229</b> , 679.	67, 227
Bruch, A., 1986. <i>Astron. Astrophys.</i> , <b>167</b> , 91.	85
Brush, S. G., Everitt, C. W. F. & Garber, E., 1983. <i>Mazwell on Saturn's Rings</i> , <b>44</b> , 135, The MIT Press, Cambridge, MA.	231
Burns, J. A., 1976. <i>Amer. J. Phys.</i> , <b>44</b> , 944.	4
Burns, J. A., Showalter, M. R. & Morfill, G. E., 1984. In <i>Planetary Rings</i> , p. 200, eds. Greenberg, R. & Brahic, A., University of Arizona Press, Tuscon, AZ.	2
Byrd, G. G., Sundelius, B. & Valtonen, M., 1987. <i>Astron. Astrophys.</i> , <b>171</b> , 16.	213
Byrd, G. G., Valtonen, M., Sundelius, B. & Valtaoja, L., 1986. <i>Astron. Astrophys.</i> , <b>166</b> , 75.	213
Cabot, W., Canuto, V. M., Hubickyj, O. & Pallock, J. B., 1987. <i>Icarus</i> , <b>69</b> , 387.	29
Cabot, W., Canuto, V. M., Hubickyj, O. & Pallock, J. B., 1987. <i>Icarus</i> , <b>69</b> , 423.	29
Cairns, R. A., 1979. <i>J. Fluid Mech.</i> , <b>92</b> , 1.	126
Cameron, A. G. W., 1973. <i>Icarus</i> , <b>18</b> , 407.	34

<i>Citation index</i>	241
Campbell, B., Persson, S., Strom, S. E. & Grasdalen, G., 1988. <i>Astron. J.</i> , <b>95</b> , 1173.	55
Cannizzo, J. K., Wheeler, J. C. & Ghosh, P., 1985. In <i>Proc. Cambridge Workshop on Cataclysmic Variables and Low-Mass X-Ray Binaries</i> , p. 307, eds. Lamb, D. Q. & Patterson, J., Reidel, Dordrecht.	79
Cantó, J., Rodríguez, L. F., Barral, J. & Carral, P., 1981. <i>Astrophys. J.</i> , <b>244</b> , 102.	56
Carignan, C. & Beaulieu, S., 1989. <i>Astrophys. J.</i> , (submitted).	133
Carignan, C. & Freeman, K. C., 1988. <i>Astrophys. J.</i> , <b>332</b> , L33.	133
Carilli, C. L., van Gorkom, J. H. & Stocke, J. T., 1989. <i>Nature</i> , <b>338</b> , 134.	132
Carlberg, R. G. & Sellwood, J. A., 1985. <i>Astrophys. J.</i> , <b>292</b> , 79.	140
Case, K. M., 1960. <i>Phys. Fluids</i> , <b>3</b> , 149.	205
Castelaz, M., Hackwell, J., Grasdalen, G., Gehrz, R. & Gullixson, C., 1985. <i>Astrophys. J.</i> , <b>290</b> , 261.	54
Cecil, G. N., Bland, J. & Tully, R. B., 1989. <i>Astrophys. J.</i> , submitted.	144
Charney, I. G., 1948. <i>Geophys. Publ. Kosjones Vors. Videtship. Acad. Oslo</i> , <b>17</b> , 3.	71
Charney, I. G. & Flierl, G. R., 1981. In <i>Evolution of Physical Oceanography</i> , eds. Warren, B. A. & Wunsch, C., The MIT Press, Cambridge, MA.	71
Clarke, C., Lin, D. N. C. & Papaloizou, J. C. B., 1989. <i>Mon. Not. R. Astron. Soc.</i> , in press.	36
Clarke, C., Lin, D. N. C. & Pringle, J. E., 1989. In preparation.	35, 36
Clarke, C. & Pringle, J. E., 1989. In preparation.	37
Clavel, J. <i>et al.</i> , 1989. <i>Mon. Not. R. Astron. Soc.</i> , in press.	95
Claussen, M. J., <i>et al.</i> , 1984. <i>Astrophys. J. Lett.</i> , <b>285</b> , L79.	67
Coleman, R. & Shields, G. A., 1989. <i>Astrophys. J.</i> , in press.	93
Collin-Souffrin, S., 1987. <i>Astron. Astrophys.</i> , <b>179</b> , 60.	95
Combes, F. & Gerin, M., 1985. <i>Astron. Astrophys.</i> , <b>150</b> , 327.	144
Combes, F. & Sanders, R. H., 1981. <i>Astron. Astrophys.</i> , <b>96</b> , 164.	180
Contopoulos, G. & Grosbøl, P., 1986. <i>Astron. Astrophys.</i> , <b>155</b> , 11.	211
Cook, A. F., II, 1976. <i>Gravitational resonances in Saturn's rings. II: Perturbations due to Janus, Mimas and Enceladus: The initial profile in Saturn's equatorial plane and warping of the rings</i> , Preprint No. 588, Center for Astrophysics, Cambridge, Mass.	5
Courant, R. & Hilbert, D., 1953. <i>Methods of Mathematical Physics</i> , New York, Interscience.	107
Croswell, K., Hartmann, L. & Avrett, E., 1987. <i>Astrophys. J.</i> , <b>312</b> , 227.	53
Cutri, R. M., Wisniewski, W. Z., Rieke, G. H. & Lebofsky, M. J., 1985. <i>Astrophys. J.</i> , <b>296</b> , 423.	89
Cuzzi, J. N. & Esposito, L. W., 1987. <i>Sci. Amer.</i> , <b>237</b> , 52.	2
Cuzzi, J. N., Lissauer, J. J., Esposito, L. W., Holberg, J. B., Marouf, E. A., Tyler, G. L. & Boischoit, A., 1984. In <i>Planetary Rings</i> , p. 73, eds. Greenberg R. & Brahic, A., University of Arizona Press, Tuscon, AZ.	2, 11, 25, 38
Cuzzi, J. N., Lissauer, J. J. & Shu, F. H., 1981. <i>Nature</i> , <b>292</b> , 703.	1, 9
Cuzzi, J. N. & Scargle, J. D., 1985. <i>Astrophys. J.</i> , <b>292</b> , 276.	21
Czerny, B. & Elvis, M., 1987. <i>Astrophys. J.</i> , <b>321</b> , 305.	94
Czerny, M. & King, A. R., 1989. <i>Mon. Not. R. Astron. Soc.</i> , <b>236</b> , 843.	84
Czerny, M. & King, A. R., 1989. <i>Mon. Not. R. Astron. Soc.</i> , submitted.	84
Dahari, O., 1984. <i>Astron. J.</i> , <b>89</b> , 966.	213
Davis, L & Greenstein, J., 1951. <i>Astrophys. J.</i> , <b>114</b> , 206.	50
Dejonghe, H., 1989. <i>Astrophys. J.</i> , in press.	140
Dejonghe, H. & de Zeeuw, P. T., 1988. <i>Astrophys. J.</i> , <b>329</b> , 720.	139
Dekel, A. & Shlosman, I., 1983. In <i>Internal Kinematics and Dynamics of Galaxies</i> , IAU Symposium <b>100</b> , p. 187, ed. Athanassoula, E., Reidel, Dordrecht.	236, 237
Dekel, A. & Silk, J. 1986. <i>Astrophys. J.</i> , <b>303</b> , 39.	133

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Dobrovolskis, A. R., 1980. <i>Icarus</i> , <b>43</b> , 222.	21
Dobrovolskis, A. R., Steiman-Cameron, T. Y. & Borderies, N. J., 1988. <i>Bull. Am. Astron. Soc.</i> , <b>20</b> , 861.	21
Dolotin, V. V. & Fridman, A. M., 1989. In <i>Nonlinear Waves in Physics and Astrophysics</i> , eds. Gaponov-Grekhov, A. V. & Rabinovitch, M. I., Springer-Verlag, New York.	72
Dones, L., 1987. <i>PhD thesis</i> , University of California, Berkeley.	9, 12, 13, 25
Donner, K., 1979. <i>PhD thesis</i> , Cambridge University.	32
Donner, K. J. & Brandenburg, A., 1989. <i>Geophys. Astrophys. Fluid Dyn.</i> , (submitted).	151
Doyle, L. R., 1987. <i>PhD thesis</i> , University of Heidelberg.	25
Draine, B. T. & Lee, H. M., 1984. <i>Astrophys. J.</i> , <b>285</b> , 89.	47
Dressler, A., 1980. <i>Astrophys. J.</i> , <b>236</b> , 351.	213
Duschl, W. J., 1983. <i>Astron. Astrophys.</i> , <b>119</b> , 248.	85
Duschl, W. J., 1988. <i>Astron. Astrophys.</i> , <b>194</b> , 33.	101
Dyck, H. & Lonsdale, C., 1979. <i>Astron. J.</i> , <b>84</b> , 1339.	51
Eddington, A. S., 1926. <i>The Internal Constitution of the Stars</i> , Cambridge University Press, Cambridge.	73
Edelson, R. A. & Malkan, M. A., 1986. <i>Astrophys. J.</i> , <b>308</b> , 59.	95
Eder, J., Lewis, B. M. & Terzian, Y., 1988. <i>Astrophys. J.</i> , <b>66</b> , 183.	139
Edwards, S., Cabrit, S., Strom, S. E., Ingeborg, H., Strom, K. & Anderson, E., 1987. <i>Astrophys. J.</i> , <b>321</b> , 473.	53
Elliot, J. L., Dunham, E. W. & Mink, D. J., 1977. <i>Nature</i> , <b>267</b> , 328.	2
Elmegreen, B. G. & Elmegreen, D. M., 1983. <i>Astrophys. J.</i> , <b>267</b> , 31.	217
Elmegreen, D. M. & Elmegreen, B. G., 1982. <i>Mon. Not. R. Astron. Soc.</i> , <b>201</b> , 1021.	217, 219
Elmegreen, D. M. & Elmegreen, B. G., 1987. <i>Astrophys. J.</i> , <b>314</b> , 3.	217
Elsasser, H. & Staude, H., 1978. <i>Astron. Astrophys.</i> , <b>70</b> , L3.	50
Erickson, S. A., 1974. <i>PhD thesis</i> , MIT.	112
Esposito, L. W., 1986. <i>Icarus</i> , <b>67</b> , 345.	13
Esposito, L. W., Cuzzi, J. N., Holberg, J. B., Marouf, E. A., Tyler, G. L. & Porco, C. C., 1984. In <i>Saturn</i> , p. 463, eds. Gehrels, T. & Matthews, M. S., University of Arizona Press, Tucson, AZ.	11
Esposito, L. W., O'Callahan, M. & West, R. A., 1983. <i>Icarus</i> , <b>56</b> , 439.	11
Evans, N. W., 1989. <i>Inter. Journ. Comp. Math.</i> , in press.	184
Evans, N. W. & Lynden-Bell, D., 1989. <i>Mon. Not. R. Astron. Soc.</i> , <b>236</b> , 801.	183
Faulkner, J., Lin, D. N. C. & Papaloizou, J. C. B., 1983. <i>Mon. Not. R. Astron. Soc.</i> , <b>205</b> , 359.	36
Ferland, G. J. & Rees, M. J., 1988. <i>Astrophys. J.</i> , <b>332</b> , 141.	89
Ferrers, N. M., 1877. <i>Quart. J. Pure Appl. Math.</i> , <b>14</b> , 1.	145
Flynn, B. C. & Cuzzi, J. N., 1989. <i>Icarus</i> , in press.	26
Frank, J., King, A. R. & Lasota, J. P., 1986. <i>Astron. Astrophys.</i> , <b>178</b> , 137.	77
Frank, J., King, A. R. & Raine, D. J., 1985. <i>Accretion Power in Astrophysics</i> , Cambridge University Press, Cambridge.	73
French, R. G., Elliot, J. L., French, L. M., Kangas, J. A., Meech, K. J., Ressler, M. E., Buie, M. W., Frogel, J. A., Holberg, J. B., Fuensalida, J. J., Joy, M., 1988. <i>Icarus</i> , <b>73</b> , 349.	22
Fridman, A. M., 1978. <i>Usp. Fiz. Nauk</i> , <b>125</b> , 352.	188
Fridman, A. M., 1989. <i>Pis'ma Astron. Zh.</i>	185, 192
Fridman, A. M., 1989. <i>Dokl. Akad. Nauk SSSR.</i> , in press.	190
Fridman, A. M., Morozov, A. G., Nezhlin, M. V. & Snezhkin, E. N. 1985. <i>Phys. Lett. A</i> , <b>109</b> , 228.	186, 194, 195, 196

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Fridman, A. M. & Polyachenko, V. L., 1984. <i>Physics of Gravitating Systems</i> , Springer-Verlag, New York.	188, 193, 199, 200
Friedjung, M. & Muratorio, G., 1987. <i>Astron. Astrophys.</i> , <b>188</b> , 100.	87
Garcia, M. R., 1986. <i>Astron. J.</i> , <b>91</b> , 400.	86
Gavazzi, G. & Jaffe, W., 1987. <i>Astrophys. J.</i> , <b>310</b> , 53.	213
Genzel, R. & Townes, C. H., 1987. <i>Annu. Rev. Astron. Astrophys.</i> , <b>25</b> , 377.	101
Gerin, M., Combes, F. & Athanassoula E., 1989. <i>Astron. Astrophys.</i> , Submitted.	219, 220
Geroyannis, V. S., 1988. <i>Astrophys. J.</i> , <b>327</b> , 273.	127
Gingold, R. A. & Monaghan, J. J., 1982. <i>J. Comput. Phys.</i> , <b>46</b> , 429.	211
Gisler, G. R., 1980. <i>Astron. J.</i> , <b>85</b> , 623.	213
Glatzel, W., 1987. <i>Mon. Not. R. Astron. Soc.</i> , <b>228</b> , 77.	122, 126
Glatzel, W., 1989. <i>J. Fluid Mech.</i> , <b>202</b> , 515.	123
Glatzel, W., 1989. In preparation.	121
Gledhill, T. & Scarrott, S., 1989. <i>Mon. Not. R. Astron. Soc.</i> , <b>236</b> , 139.	55
Goguen, J. D., Hammel, H. B. & Brown, R. H., 1989. <i>Icarus</i> , <b>77</b> , 239.	25
Goldreich, P. & Lynden-Bell, D., 1965. <i>Mon. Not. R. Astron. Soc.</i> , <b>156</b> , 200, 203, 205, 206, 234, 130, 124.	156, 200, 203, 205, 206, 234
Goldreich, P. & Porco, C. C., 1987. <i>Astron. J.</i> , <b>93</b> , 730.	22
Goldreich, P. & Tremaine, S., 1977. <i>Nature</i> , <b>277</b> , 97.	17
Goldreich, P. & Tremaine, S., 1978. <i>Icarus</i> , <b>34</b> , 227.	1, 7, 20
Goldreich, P. & Tremaine, S., 1978. <i>Icarus</i> , <b>34</b> , 240.	7, 9, 13, 20, 21
Goldreich, P. & Tremaine, S., 1978. <i>Astrophys. J.</i> , <b>222</b> , 850.	181
Goldreich, P. & Tremaine, S., 1979. <i>Astrophys. J.</i> , <b>233</b> , 857.	176
Goldreich, P. & Tremaine, S., 1979. <i>Astron. J.</i> , <b>84</b> , 1638.	22
Goldreich, P. & Tremaine, S., 1979. <i>Nature</i> , <b>277</b> , 97.	21
Goldreich, P. & Tremaine, S., 1980. <i>Astrophys. J.</i> , <b>241</b> , 425.	14
Goldreich, P. & Tremaine, S., 1981. <i>Astrophys. J.</i> , <b>243</b> , 1062.	22
Goldreich, P. & Tremaine, S., 1982. <i>Annu. Rev. Astron. Astrophys.</i> , <b>20</b> , 249.	14, 20, 38, 103
Goldreich, P., Tremaine, S. & Borderies, N., 1986. <i>Astron. J.</i> , <b>92</b> , 490.	23
Goldreich, P. & Ward, W. R., 1973. <i>Astrophys. J.</i> , <b>183</b> , 1051.	35, 37
Goldsmith, P. F. & Arquilla, R., 1985. In <i>Protostars and Planets II</i> , p. 137, eds. Black, D. & Matthews, M. S., University of Arizona Press, Tuscon, AZ.	33
Gould, A., 1988. preprint.	138
Gradie, J., Hayashi, J., Zuckerman, B., Epps, H. & Howell, R., 1987. In <i>Proc. 18th Lunar and Planetary Conference</i> Vol. I, p. 351, Cambridge University Press and the Lunar and Planetary Institute.	47
Grasdalen, G., Strom, S. E., Strom, K., Capps, R., Thompson, D. & Castelaz, M., 1984. <i>Astrophys. J. Lett.</i> , <b>283</b> , L57.	54
Greenberg, R., Wacker, J. F., Hartmann, W. K. & Chapman, C. R., 1978. <i>Icarus</i> , <b>35</b> , 1.	28
Greenstein, J. L. & Kraft, R. P., 1959. <i>Astrophys. J.</i> , <b>130</b> , 99.	74
Gresh, D. L., Rosen, P. A., Tyler, G. L. & Lissauer, J. J., 1986. <i>Icarus</i> , <b>68</b> , 502.	6, 9, 11
Gusten, R., Chini, R. & Neckel, T., 1984. <i>Astron. Astrophys.</i> , <b>138</b> , 205.	56
Habe, A. & Ikeuchi, S., 1985. <i>Astrophys. J.</i> , <b>289</b> , 540.	150
Habe, A. & Ikeuchi, S., 1988. <i>Astrophys. J.</i> , <b>326</b> , 84.	150
Habing, H. J., 1986. In <i>Light on Dark Matter</i> , p. 40, ed. Israel, F. P., Reidel, Dordrecht.	139
Habing, H. J., 1987. In <i>The Galaxy</i> , p. 173, eds. Gilmore, G. & Carswell, B., Reidel, Dordrecht.	142
Hämnen-Anttila, K. A. & Pyykkö, S., 1973. <i>Astron. Astrophys.</i> , <b>19</b> , 235.	26
Hameury, J. M., King, A. R. & Lasota, J. P., 1986. <i>Astron. Astrophys.</i> , <b>162</b> , 71.	79
Hapke, B., 1986. <i>Icarus</i> , <b>67</b> , 264.	26

- Harmon, R. & Gilmore, G., 1988. *Mon. Not. R. Astron. Soc.*, **235**, 1025. 142
- Hartmann, L. & Kenyon, S., 1985. *Astrophys. J.*, **299**, 462. 53
- Hartmann, L. & Kenyon, S. J., 1987. *Astrophys. J.*, **312**, 243. 35, 53
- Hartmann, L. & Kenyon, S. J., 1987. *Astrophys. J.*, **322**, 393. 35, 53
- Harvey, P., Lester, D. & Joy, M., 1987. *Astrophys. J. Lett.*, **316**, L75. 58
- Hasegawa, A., MacLennan, C. G. & Kodama, Y., 1979. *Phys. Fluids*, **22**, 2122. 71
- Hasegawa, A. & Mima, K., 1978. *Phys. Fluids*, **21**, 87. 71
- Haud, U. A., 1979. *Pis'ma Astron. Zh.*, **5**, 124. 188, 190
- Hayashi, C., 1981. *Prog. Theor. Phys., Suppl.*, **70**, 35. 34
- Hayashi, C., Nakazawa, K. & Nakagawa, Y., 1985. In *Protostars and Planets II*, p. 1100, eds. Black, D. & Matthews, M. S., University of Arizona Press, Tucson, AZ. 28, 37
- Haynes, M. P. & Giovanelli, R., 1984. *Astron. J.*, **89**, 758. 99, 100
- Heckert, P. & Zeilik, M., 1981. *Astron. J.*, **86**, 1076. 51
- Herbig, G. H., 1977. *Astrophys. J.*, **217**, 693. 35
- Herbig, G. H. & Goodrich, R. W., 1986. *Astrophys. J.*, **309**, 294. 27
- Herbst, T. M., Skrutskie, M. F. & Nicholson, P. D., 1987. *Icarus*, **71**, 103. 25
- Heyer, M., Snell, R. L., Goldsmith, P., Strom, S. E. & Strom, K., 1986. *Astrophys. J.*, **308**, 134. 56
- Ho, P. T. P., Moran, J. M. & Rodríguez, L. F., 1982. *Astrophys. J.*, **262**, 619. 62
- Ho, P. T. P. & Townes, C., 1983. *Annu. Rev. Astron. Astrophys.*, **21**, 239. 226
- Hodapp, K. W., 1984. *Astron. Astrophys.*, **141**, 255. 52, 226
- Hohl, F., 1971. *Astrophys. J.*, **168**, 343. 235
- Hohl F., Zang T. A. & Miller, J. B., 1979. *NASA Ref. Publ.* **1037**. 180
- Holberg, J. B., Forrester, W. T. & Lissauer, J. J., 1982. *Nature*, **297**, 115. 11, 12, 13
- Horn, L. J., Yanamandra-Fisher, P. A., Esposito, L. W. & Lane, A. L., 1988. *Icarus*, **76**, 485. 2
- Horne, K. & Marsh, T. R., 1986. *Mon. Not. R. Astron. Soc.*, **218**, 761. 85
- Horne, K. & Marsh, T., 1986. In *The Physics of Accretion on to Compact Objects*, p. 1, eds. Mason, K. O., Watson, M. G. & White, N. E., Springer-Verlag, New York. 75
- Huang, M. & Wheeler, J. C., 1989. *Astrophys. J.*, **343**, in press. 80
- Hubbard, W. B., Brahic, A., Sicardy, B., Elicer, L-R., Roques, F. & Vilas, F., 1986. *Nature*, **319**, 636. 2, 22
- Huchtmeier, W. K. & Witzel, A., 1979. *Astron. Astrophys.*, **74**, 138. 129
- van der Hulst, J. M., Hummel, E., Keel, W. C. & Kennicutt, R. C., 1986. In *Spectral Evolution of Galaxies*, p. 103, eds. Chiosi, C. & Renzini, A., Reidel, Dordrecht. 213
- van der Hulst, J. M. & Sancisi, R., 1988. *Astron. J.*, **95**, 1354. 129, 130, 131
- Hunter, C. & Toomre, A., 1969. *Astrophys. J.*, **155**, 747. 1, 147, 233
- Irvine, W. M., 1966. *J. Geophys. Res.*, **71**, 2931. 25
- Iye, M., Okamura, S., Hamabe, M. & Watanabe, K., 1982. *Astrophys. J.*, **256**, 103. 177, 178
- Jackson, J. M., Barrett, A. H., Armstrong, J. T. & Ho, P. T. P., 1987. *Astron. J.*, **93**, 531. 100
- Jackson, J. M., Ho, P. T. P. & Haschick, A. D., 1989. *Astrophys. J. Lett.*, **333**, 73. 56, 65
- Jeffreys, H., 1924. *The Earth*, p. 55, Cambridge University Press, Cambridge. 233
- Julian, W. H. & Toomre, A., 1966. *Astrophys. J.*, **146**, 810. 156, 157, 167, 206
- Kaasra, J. S. & Barr, P., 1989. *Astron. Astrophys.*, Submitted. 82
- Kaifu, N., Suzuki, S., Hasegawa, T., Morimoto, M., Inatani, J., Nagane, K., Miyazawa, K., Chikada, Y., Kanzawa, T. & Akabane, K., 1984. *Astron. Astrophys.*, **134**, 7. 56, 57, 58
- Kalnajs, A. J., 1972. *Astrophys. J.*, **175**, 63. 199
- Kalnajs, A. J., 1973. *Proc. Astron. Soc. Aust.*, **2**, 174. 174

<i>Citation index</i>	245
Kalnajs, A. J., 1976. <i>Astrophys. J.</i> , <b>205</b> , 745, 751.	200
Kalnajs, A. J., 1977. <i>Astrophys. J.</i> , <b>212</b> , 637.	175
Kaneko, N., et al., 1989. <i>Astrophys. J.</i> , <b>337</b> , 691.	144
Kant, I., 1755. <i>Allgemeine Naturgeschichte und Theorie des Himmels</i> .	1
Kato, S., 1983. <i>Publ. Astron. Soc. Jpn</i> , <b>35</b> , 249.	119
Katz, J. I., 1980. <i>Astrophys. J. Lett.</i> , <b>20</b> , 135.	237
Kawabe, R., Morita, K., Ishiguro, M., Kasuga, T., Chikada, Y., Handa, K., Iwashita, H., Kanzawa, T., Okumura-Kawabe, S., Kobayashi, H., Takahashi, T., Murata, Y. & Hasegawa, T., 1989. preprint.	56
Kawabe, R., Ogawa, H., Fugui, Y., Takano, T., Takaba, H., Fujimoto, Y., Sugitani, K. & Fujimoto, M., 1984. <i>Astrophys. J. Lett.</i> , <b>282</b> , L73.	56
Keel, W. C., Kenicutt, R. C., Hummel, E. & van der Hulst, J. M., 1985. <i>Astron. J.</i> , <b>90</b> , 708.	213
Kenyon, S. J. & Hartmann, L., 1987. <i>Astrophys. J.</i> , <b>323</b> , 714.	27
Kenyon, S. J., Hartmann, L. & Hewett, R., 1988. <i>Astrophys. J.</i> , <b>325</b> , 231.	35, 36
King, A. R., 1989. In <i>Classical Novae</i> , p. 17, eds. Bode, M. F. & Evans, A., Wiley, Chichester.	85
Knapp, G. R., 1987. In <i>Structure and Dynamics of Elliptical Galaxies</i> , IAU Symp. <b>127</b> , p. 145, ed. de Zeeuw, T., Reidel, Dordrecht.	147
Kobayashi, Y., Kawara, K., Maihara, T., Okuda, H., Sato, S. & Noguchi, K., 1978. <i>Publ. Astron. Soc. Jpn</i> , <b>30</b> , 377.	51
Kopal, Z., 1978. <i>Dynamics of Close Binary Systems</i> , Reidel, Dordrecht.	224
Kormendy, J. & Norman, C. A., 1979. <i>Astrophys. J.</i> , <b>233</b> , 539.	217
Kraft, R. P., 1962. <i>Astrophys. J.</i> , <b>135</b> , 408.	74
Krumm, N. & Burstein, D., 1984. <i>Astron. J.</i> , <b>89</b> , 1319.	133
Kuijken, K. & Gilmore, G., 1988a,b,c. <i>Mon. Not. R. Astron. Soc.</i> , submitted.	137, 138
Lacey, C. G., 1984. <i>Mon. Not. R. Astron. Soc.</i> , <b>208</b> , 687.	140, 141
Lada, C. J., 1985. <i>Annu. Rev. Astron. Astrophys.</i> , <b>23</b> , 267.	50, 67
Lagrange-Henri, A. M., Vidal-Madjar, A. & Ferlet, R., 1988. <i>Astron. Astrophys.</i> , <b>190</b> , 275.	43
Landau, L. D., 1944. <i>Dokl. Akad. Nauk SSSR</i> , <b>44</b> , 151.	193, 195
Landau, L. D. & Lifshitz, E. M., 1986. <i>Hydrodynamics</i> , Nauka, Moscow.	185, 186, 193
Lane, A. L., et al., 1982. <i>Science</i> , <b>215</b> , 537.	11
Laplace, P., 1796. <i>Exposition du systeme du monde</i> , Paris.	1
Larson, R., 1989. In <i>The Formation and Evolution of Planetary Systems</i> , eds Weaver, H. A., Patesce, F. & Danly, L., Cambridge University Press, Cambridge, in press.	32
Lau, Y. Y., Lin, C. C. & Mark, J. W. K., 1976. <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <b>73</b> , 1379.	112
Lecar, M. & Aarseth, S. J., 1985. <i>Astrophys. J.</i> , <b>305</b> , 564.	28
Lee, U., 1988. <i>Mon. Not. R. Astron. Soc.</i> , <b>232</b> , 711.	125
Lee, U. & Saio, H., 1986. <i>Mon. Not. R. Astron. Soc.</i> , <b>221</b> , 365.	125
Lee, U. & Saio, H., 1987. <i>Mon. Not. R. Astron. Soc.</i> , <b>224</b> , 513.	125
Lee, U. & Saio, H., 1989. <i>Mon. Not. R. Astron. Soc.</i> , in press.	125
Lewis, J. S., 1972. <i>Icarus</i> , <b>16</b> , 241.	34
Lewis, R. J. & Freeman, K., 1989. Preprint.	139
Lightman, A. P. & White, T. R., 1988. <i>Astrophys. J.</i> , <b>335</b> , 57.	90
Lin, C. C. & Lau, 1979. <i>Stud. Appl. Math.</i> , <b>60</b> , 97.	199, 200, 204, 205
Lin, C. C. & Shu, F. H., 1964. <i>Astrophys. J.</i> , <b>140</b> , 646.	1, 200, 233, 234, 235
Lin, C. C., Yuan, C. & Shu, F. H., 1969. <i>Astrophys. J.</i> , <b>155</b> , 721.	188
Lin, D. N. C., 1981. <i>Astrophys. J.</i> , <b>242</b> , 780.	29

- Lin, D. N. C., 1989. In *The Formation and Evolution of Planetary Systems*, eds Weaver, H. A., Patesce, F. & Danly, L., Cambridge University Press, Cambridge, in press. 31
- Lin, D. N. C. & Papaloizou, J. C. B., 1980. *Mon. Not. R. Astron. Soc.*, **191**, 37. 28, 29
- Lin, D. N. C. & Papaloizou, J. C. B., 1985. In *Protostars and Planets II*, p. 981, eds. Black, D. & Matthews, M. S., University of Arizona Press, Tuscon, AZ. 28, 29, 32, 34, 35
- Lin, D. N. C. & Papaloizou, J. C. B., 1986. *Astrophys. J.*, **307**, 395. 39
- Lin, D. N. C. & Papaloizou, J. C. B., 1986. *Astrophys. J.*, **309**, 846. 39
- Lin, D. N. C., Papaloizou, J. C. B. & Faulkner, J., 1985. *Mon. Not. R. Astron. Soc.*, **212**, 105. 36
- Lin, D. N. C., Papaloizou, J. C. B. & Ruden, S. P., 1987. *Mon. Not. R. Astron. Soc.*, **227**, 75. 23
- Lin, D. N. C., Papaloizou, J. C. B. & Savonije, G. J., 1989. In preparation. 32, 38
- Lin, D. N. C. & Pringle, J. E., 1987. *Mon. Not. R. Astron. Soc.*, **225**, 607. 32, 33, 103
- Lin, D. N. C. & Pringle, J. E., 1989. In preparation. 34
- Lin, D. N. C. & Tremaine, S. D., 1983. *Astrophys. J.*, **264**, 364. 141
- Lindzen, R. S. & Barker, J. W., 1985. *J. Fluid Mech.*, **151**, 189. 122
- te Lintel Hekkert, P., Caswell, J. L., Habing, H. J., Norris, R. P. & Haynes, R. F., 1989. In preparation. 139
- Lissauer, J. J., 1985. *Nature*, **318**, 544. 22
- Lissauer, J. J., 1985. *Icarus*, **62**, 425. 9, 11
- Lissauer, J. J. & Cuzzi, J. N., 1982. *Astron. J.*, **87**, 1051. 5, 12
- Lissauer, J. J. & Cuzzi, J. N., 1985. In *Protostars and Planets II*, p. 920, eds. Black, D. C. & Matthews, M. S., University of Arizona Press, Tuscon, AZ. 3
- Lissauer, J. J., Shu, F. H. & Cuzzi, J. N., 1984. In *Planetary Rings*, Proc. IAU Colloq. **75**, p. 385, ed. Brahic, A., Cepadues, Toulouse. 11, 13, 14
- Lissauer, J. J., Squyres, S. W. & Hartmann, W. K., 1988. *J. Geophys. Res.*, **93**, 13776. 14
- Little, L., Dent, W., Heaton, B., Davies, S. & White, G., 1985. *Mon. Not. R. Astron. Soc.*, **217**, 227. 56
- Lominadze, J. G., Chagelashvili, G. D. & Chanashvili, R. G., 1988. *Letters to Astron. J. (Sov.)*, **14**, 856. 205
- Long, K. N., Helfand, D. J. & Grabelsky, D. A., 1981. *Astrophys. J.*, **248**, 925. 79
- Longaretti, P. Y. & Borderies, N., 1986. *Icarus*, **67**, 211. 9, 11, 13, 21
- Lumme, K., Irvine, W. M. & Esposito, L. W., 1983. *Icarus*, **53**, 174. 25
- Lubow, S. H., Balbus, S. A. & Cowie, L. L., 1986. *Astrophys. J.*, **309**, 494. 211
- Lüst, V. R., 1952. *Z. Naturforsch.*, **A**, **7a**, 87. 32, 233
- Lynden-Bell, D., 1962. *Mon. Not. R. Astron. Soc.*, **124**, 95. 183
- Lynden-Bell, D. & Kalnajs, A. J., 1972. *Mon. Not. R. Astron. Soc.*, **157**, 1. 175
- Lynden-Bell, D. & Pringle, J. E., 1974. *Mon. Not. R. Astron. Soc.*, **168**, 27, 28, 32, 53, 232, 233, 603. 603.
- MacKenty, J., 1989. *Astrophys. J.*, (in press). 100
- Madau, P., 1988. *Astrophys. J.*, **327**, 116. 94
- Malkan, M. A., 1983. *Astrophys. J.*, **268**, 582. 90
- Malkan, M. A. & Sargent, W. L. W., 1982. *Astrophys. J.*, **254**, 22. 89
- Maraschi, L. *et al.*, 1987. Multi-frequency Observations of the Sy 1 Galaxy 3C 120, In *Evidence of Activity in Galaxies*, IAU Symp. **121**, p215, Byurukan. 95
- Marcaide, J., Torrelles, J. M., Gusten, R., Menten, K., Ho, P. T. P., Moran, J. & Rodríguez, L. F., 1988. *Astron. Astrophys.*, **197**, 235. 56
- Marochnik, L. S. & Suchkov, A. A., 1984. *Galaxy*, Nauka, Moscow. 186, 195

<i>Citation index</i>	247
Mason, K. O., 1986. In <i>The Physics of Accretion onto Compact Objects</i> , p. 29, eds. Mason, K.O., Watson, M. G. & White, N. E., Springer-Verlag, New York.	83
Massevitch, A. G. & Tutukov, A. V., 1988. <i>Stellar evolution: theory and observation</i> , Nauka, Moscow.	72
Matsuda, T., Inoue, M., Sawada, K., Shima, E. & Wakamatsu, K., 1987. <i>Mon. Not. R. Astron. Soc.</i> , <b>229</b> , 295.	99
May, A., van Albada, T. S. & Norman, C. A., 1985. <i>Mon. Not. R. Astron. Soc.</i> , <b>214</b> , 131.	142
Maxwell, J. C., 1859. <i>On the stability of the motions of Saturn's Rings</i> , Cambridge and London: MacMillan and Co. Also reprinted in <i>Maxwell on Saturn's Rings</i> , 1983. p. 73, eds. Brush, S. G., Everitt, C. W. F. & Barber, E., The MIT Press, Cambridge, MA.	1
McClintock, J. E. & Remillard, R. A., 1986. <i>Astrophys. J.</i> , <b>308</b> , 110.	79
Menten, K. Walmsley, C., Krugel, E. & Ungerechts, H., 1984. <i>Astron. Astrophys.</i> , <b>137</b> , 108.	56
Merritt, D., 1984. <i>Astrophys. J.</i> , <b>276</b> , 26.	213, 214
Mestel, L., 1963. <i>Mon. Not. R. Astron. Soc.</i> , <b>126</b> , 553.	136, 155
Meyer, F. & Meyer-Hofmeister, E., 1981. <i>Astron. Astrophys.</i> , <b>104</b> , L10.	79
Mezger, P., Chini, R., Kreysa, E. & Wink, J., 1987. <i>Astron. Astrophys.</i> , <b>182</b> , 127.	56
Mineshige, S. & Osaki, Y., 1983. <i>Publ. Astron. Soc. Jpn</i> , <b>35</b> , 377.	79
Mineshige, S. & Wheeler, J. C., 1989. <i>Astrophys. J.</i> , <b>343</b> , in press.	80
Monaghan, J. J. & Lattanzio, J. C., 1985. <i>Astron. Astrophys.</i> , <b>149</b> , 135.	211
Moneti, A., Forrest, W., Pipher, J. & Woodward, C., 1988. <i>Astrophys. J.</i> , <b>327</b> , 870.	54
Morfill, G. E., Tscharnuter, W. & Völk, H. J., 1985. In <i>Protostars and Planets II</i> , p. 493, eds. Black, D. & Matthews, M. S., University of Arizona Press, Tuscon, AZ.	33
Morfill, G. E. & Völk, H. J., 1984. <i>Astrophys. J.</i> , <b>287</b> , 371.	28
Morini, M., Scarsi, L., Molteni, D., Salvati, M., Perola, G. C., Piro, L., Simari, G., Boksenberg, A., Penston, M. V., Sniijders, M. A. J., Bromage, G. E., Clavel, J., Elvius, A. & Ulrich, M. H., 1986. <i>Astrophys. J.</i> , <b>307</b> , 486.	82
Morozov, A. G., 1977. <i>Pis'ma Astron. Zh.</i> , <b>3</b> , 195.	186, 192, 193, 194, 195, 196
Morozov, A. G., 1979. <i>Astron. Zh.</i> , <b>56</b> , 498.	186, 192, 193, 194, 195, 196
Morozov, A. G., 1985. <i>Astron. J. (Sov.)</i> , <b>62</b> , 805.	199, 200, 205
Morozov, A. G., Fainshtein, V. G. & Fridman, A. M., 1976. <i>Dokl. Akad. Nauk SSSR</i> , <b>231</b> , 588.	186
Morozov, A. G., Fainshtein, V. G., Polyachenko, V.L. & Fridman, A. M., 1976. <i>Astron. Zh.</i> , <b>53</b> , 946.	186
Morozov, A. G., Nezhlin, M. V., Snezhkin, E. N. & Fridman, A. M., 1984. <i>Pis'ma Zh. Ehksp. Teor. Fiz.</i> , <b>39</b> , 504.	186, 194, 195, 196
Morozov, A. G., Nezhlin, M. V., Snezhkin, E. N. & Fridman, A. M., 1985. <i>Usp. Fiz. Nauk</i> , <b>145</b> , 161.	186, 194, 195, 196
Morozov, A. G., Polyachenko, V. L. & Shukhman, I. G., 1974. Preprint of SibIZMI-RAN, 5-74, Irkutsk.	199
Mundt, R. & Fried, J., 1983. <i>Astrophys. J. Lett.</i> , <b>274</b> , L83.	53
Mundy, L., Wilking, B. & Myers, S., 1986. <i>Astrophys. J. Lett.</i> , <b>311</b> , L75.	56
Muratorio, G. & Friedjung, M., 1988. <i>Astron. Astrophys.</i> , <b>190</b> , 103.	87
Mushotzky, R. F., 1984. <i>Adv. Space Res.</i> , <b>3</b> , No. 10-13, 157.	90
Myers, P. C., 1983. <i>Astrophys. J.</i> , <b>270</b> , 105.	72
Nagagawa, Y., Watanabe, S. & Nakazawa, K., 1989. In <i>The Formation and Evolution of Planetary Systems</i> , eds. Weaver, H. A., Patesce, F. & Danly, L., Cambridge University Press, Cambridge, in press.	30, 37
Nagata, T., Sato, S. & Kobayashi, Y., 1983. <i>Astron. Astrophys.</i> , <b>119</b> , L1.	52

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Nezlin, M. V., Rylov, A. Yu., Snezhkin, E. N. & Trubnikov, A. S. 1987. <i>Zh. Ehksp. Teor. Fiz.</i> , <b>92</b> , 3.	187
Nicholson, P.D., Cooke, M. L., Matthews, K., Elias, J. H. & Gilmore, G., 1989. <i>Icarus</i> , , submitted.	2
Noguchi, M., 1987. <i>Astron. Astrophys.</i> , <b>203</b> , 259.	214
Noguchi, M., 1987. <i>Mon. Not. R. Astron. Soc.</i> , <b>228</b> , 635.	177, 219
Norris, R. P., 1984. <i>Mon. Not. R. Astron. Soc.</i> , <b>207</b> , 127.	67
Obukhov, A. M., 1949. <i>Izv. AN SSSR, Geography and Geophysics</i> , <b>13</b> , no. 4, 281.	71
Ohashi, T., 1988. In <i>Physics of Neutron Stars and Black Holes</i> , p301, ed. Tanaka, Y., Universal Academy Press, Tokyo.	95
Osaki, Y., 1974. <i>Publ. Astron. Soc. Jpn</i> , <b>26</b> , 429.	79
Ostriker, J. P. & Peebles, P. J. E., 1973. <i>Astrophys. J.</i> , <b>186</b> , 467.	100, 176, 235
Paczynski, B., 1977. <i>Acta Astron.</i> , <b>28</b> , 91.	103
Padman, R. & Richer, J. S., 1989. In <i>Sub-millimetre and Millimetre Wave Astronomy</i> , ed. Webster, A. S., Kluwer, Dordrecht, in preparation.	65
Palmer, P. L., Papaloizou, J. C. B. & Allen, A. J., 1989. <i>Mon. Not. R. Astron. Soc.</i> , to appear.	175, 176
Papaloizou, J. C. B., Faulkner, J. & Lin, D. N. C., 1983. <i>Mon. Not. R. Astron. Soc.</i> , <b>205</b> , 487.	36
Papaloizou, J. C. B. & Lin, D. N. C., 1985. <i>Astrophys. J.</i> , <b>285</b> , 818.	39
Papaloizou, J. C. B. & Lin, D. N. C., 1989. <i>Astrophys. J.</i> , in press.	31, 113
Papaloizou, J. C. B. & Pringle, J. E., 1984. <i>Mon. Not. R. Astron. Soc.</i> , <b>208</b> , 721.	103, 110, 121
Papaloizou, J. C. B. & Pringle, J. E., 1985. <i>Mon. Not. R. Astron. Soc.</i> , <b>213</b> , 799.	103, 110
Papaloizou, J. C. B. & Pringle, J. E., 1987. <i>Mon. Not. R. Astron. Soc.</i> , <b>225</b> , 267.	103, 110
van Paradijs, J. & Verbunt, F., 1984. In <i>High Energy Transients in Astrophysics</i> , p. 49, ed. Woosley, S. E., AIP Conf. Proc. <b>115</b> , New York.	79
Paresce, F. & Burrows, C., 1987. <i>Astrophys. J. Lett.</i> , <b>319</b> , L23.	45, 46, 47
Parmar, A. N., White, N. E., Giommi, P. & Gottwald, M., 1986. <i>Astrophys. J.</i> , <b>308</b> , 199.	84
Pasha, I. I., 1985. <i>Sov. Astron. Lett</i> , <b>11</b> , 1.	217
Pasha, I. I. & Fridman, A. M., 1989. <i>Zh. Ehksp. Teor. Fiz.</i> , in press.	195
Pedlosky, G., 1984. <i>Geophysical Hydrodynamics</i> , vols 1-2, Mir, Moscow.	186
Petrou, M. & Papayannopoulos, T., 1986. <i>Mon. Not. R. Astron. Soc.</i> , <b>219</b> , 157.	176
Pfenniger, D., 1984. <i>Astron. Astrophys.</i> , <b>134</b> , 373.	180
Pfenniger, D., 1989. <i>Astrophys. J.</i> , in press.	135
Polyachenko, V. L., 1972. Dissertation, Leningrad Univ.	199
Polyachenko, V. L., 1987. <i>Astron. Circ. (Sov.)</i> , No.1490.	202
Polyachenko, V. L. & Fridman, A. M., 1976. See: Fridman & Polyachenko 1984.	
Polyachenko, V. L. & Fridman, A. M., 1981. <i>Pis'ma Astron. Zh.</i> , <b>7</b> , 136.	188
Polyachenko, V. L. & Shukhman, I. G., 1972. Preprint of SibIZMIRAN, 1-2, Irkutsk.	199
Polyachenko, V. L. & Shukhman, I. G., 1981. <i>Astron. J. (Sov.)</i> , <b>58</b> , 933.	199, 200
Polyachenko, V. L. & Strel'nikov, A. V., 1988. <i>Astron. Circ. (Sov.)</i> , No.1529.	202, 204
Polyachenko, V. L. & Strel'nikov, A. V., 1989. To be published.	206
Porco, C., Danielson, G. E., Goldreich, P., Holberg, J. B. & Lane, A. L., 1984. <i>Icarus</i> , <b>60</b> , 17.	12
Porco, C., <i>et al.</i> , 1984. <i>Icarus</i> , <b>60</b> , 1.	12
Porco, C. C. & Goldreich, P., 1987. <i>Astron. J.</i> , <b>93</b> , 724.	17, 22
Pounds, K. A., 1985. In <i>Galactic and Extragalactic Compact X-Ray Sources</i> , p261, eds. Tanaka, Y. & Lewin, W. H., ISAS, Tokyo.	94
Prestwich, A., 1985. <i>MSc thesis</i> , University of Manchester.	67
Priedhorsky, W. C. & Holt, S. S., 1987. <i>Space Sci. Rev.</i> , <b>34</b> , 291.	79
Pringle, J. E., 1981. <i>Annu. Rev. Astron. Astrophys.</i> , <b>19</b> , 137.	73

<i>Citation index</i>	249
Rädler, K.-H., 1983. In: <i>Stellar and Planetary Magnetism</i> , p. 17, ed. Soward, A. M., Gordon and Breach, New York-London-Paris.	151
Ramsey, A. S., 1981. <i>Newtonian Attraction</i> , Cambridge University Press, Cambridge.	223
Reimers, D. <i>et al.</i> , 1989. <i>Astron. Astrophys.</i> , in press.	94
Ritter, H., 1987. <i>Astr. Astrophys., Suppl. Ser.</i> , <b>70</b> , 335.	73
Rodríguez, L. F., 1988. In <i>Galactic and Extragalactic Star Formation</i> , p. 97, eds. Pudritz, R. E. & Fich, M., Kluwer Academic Publishers, Dordrecht.	58, 61
Rodríguez, L. F., Cantó, J., Torrelles, J. M. & Ho, P. T. P., 1986. <i>Astrophys. J. Lett.</i> , <b>301</b> , L25.	57, 58
Rodríguez, L. F., Ho, P. T. P. & Moran, J. M., 1980. <i>Astrophys. J. Lett.</i> , <b>240</b> , L149.	62
Rogstad, D. H., 1971. <i>Astron. Astrophys.</i> , <b>13</b> , 108.	130
Rohlfis, K. & Kreitschman, G., 1988. <i>Astron. Astrophys.</i> , <b>201</b> , 51.	188
Romeo, A. B., 1985. <i>Tesi di Laurea</i> , Università di Pisa, Italy.	209, 210
Romeo, A. B., 1987. <i>M. Phil. Thesis</i> , SISSA, Trieste, Italy.	209, 210
Romeo, A. B., 1988. <i>Preprint, SISSA Astro. 167</i> , Trieste, Italy.	209, 210
Rosen, P. A., 1989. <i>PhD thesis</i> , Stanford University.	6, 8, 10, 11, 13
Rosen, P. A. & Lissauer, J. J., 1988. <i>Science</i> , <b>241</b> , 690.	5, 6, 11, 13
Rucinski, S., 1985. <i>Astron. J.</i> , <b>90</b> , 2321.	52
Ruden, S. P., 1987. <i>PhD thesis</i> , University of California, Santa Cruz.	29, 30
Ruden, S. P., Papaloizou, J. C. B. & Lin, D. N. C., 1988. <i>Astrophys. J.</i> , <b>329</b> , 739.	30
Rydgren, A. & Zak, D., 1986. <i>Publ. Astron. Soc. Pac.</i> , <b>99</b> , 141.	52
Safronov, V. S., 1960. <i>Sov. Phys. Dokl.</i> , <b>5</b> , 13.	31
Safronov, V. S., 1960. <i>Ann. d'Astrophys.</i> , <b>23</b> , 979.	233
Safronov, V. S., 1969. <i>Evolution of the Protoplanetary Cloud and the Formation of the Earth and Planets</i> , (Nauka, Moscow), NASA TT F-677, 1972.	28
Sancisi, R., 1988. In <i>QSO Absorption Lines: Probing the Universe</i> , p. 241, eds., Blades, J. C., Turnshek, D. A. & Norman, C. A., Cambridge University Press, Cambridge.	132
Sancisi, R., van Woerden, H., Davies, R. D. & Hart, L., 1984. <i>Mon. Not. R. Astron. Soc.</i> , <b>210</b> , 497.	132
Sanders, D. B., Solomon, P. M. & Scoville, N. Z., <i>Astrophys. J.</i> , <b>276</b> , 182.	188
Sanders, D. B., <i>et al.</i> , 1989. <i>Astrophys. J.</i> , in press.	95
Sargent, A. I., 1977. <i>Astrophys. J.</i> , <b>218</b> , 736.	62
Sargent, A. I. & Beckwith, S., 1987. <i>Astrophys. J.</i> , <b>323</b> , 294.	27, 31, 56, 65
Sargent, A., Beckwith, S., Keene, J. & Masson, C., 1988. <i>Astrophys. J.</i> , <b>333</b> , 936.	56, 57, 58
Sargent, A. & Mundy, L., 1988. In <i>Galactic and Extragalactic Star Formation</i> , p. 261, eds. Pudritz, R. E. & Fich, M., Kluwer Academic Publishers, Dordrecht.	56
Saslaw, W. C., Valtonen, M. J. & Aarseth, S.J., 1974. <i>Astrophys. J.</i> , <b>190</b> , 253.	217
Sato, S., Nagata, T., Nakajima, T., Nishida, M., Tanaka, M. & Yamashita, T., 1985. <i>Astrophys. J.</i> , <b>291</b> , 708.	52, 226
Satoh, C. & Miyamoto, M., 1976. <i>Publ. Astron. Soc. Jpn</i> , <b>28</b> , 599.	179
Scarrott, S. M., Draper, P. W. & Warren-Smith, R. F., 1989. <i>Mon. Not. R. Astron. Soc.</i> , in press.	70
Schroeder, M. C. & Comins, N. F., 1989. <i>Astrophys. J.</i> , to appear.	173
Schwarz, M. P., 1981. <i>Astrophys. J.</i> , <b>247</b> , 77.	144
Schwarz, M. P., 1985. <i>Mon. Not. R. Astron. Soc.</i> , <b>212</b> , 677.	99
Scoville, N. Z., Matthews, K., Carico, D. P. & Sanders, D. B., 1988. <i>Astrophys. J. Lett.</i> , <b>327</b> , L61.	143
Scoville, N. Z., Young, J. S. & Lucy, L. B., 1983. <i>Astrophys. J.</i> , <b>270</b> , 443.	143
Sellwood, J. A., 1985. <i>Mon. Not. R. Astron. Soc.</i> , <b>217</b> , 127.	176

250	<i>Citation index</i>
Sellwood, J. A., 1986. In <i>The Use of Supercomputers in Stellar Dynamics</i> , Lecture Notes in Physics <b>267</b> , p. 5, eds. Hut, P. & McMillan, S., Springer-Verlag, New York.	157
Sellwood, J. A., 1989. In <i>Nonlinear Phenomena in Vlasov Plasmas</i> , p. 87, ed. Doveil, F., Éditions de Physique, Orsay.	155
Sellwood, J. A. & Athanassoula, E., 1986. <i>Mon. Not. R. Astron. Soc.</i> , <b>221</b> , 195.	235
Sellwood, J. A. & Carlberg, R. G., 1984. <i>Astrophys. J.</i> , <b>282</b> , 61.	157, 159, 170, 176
Sellwood, J. A. & Kahn, F. D., 1989. In preparation.	162, 167, 168
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Shakura, N. I. & Sunyaev, R. A., 1973. <i>Astron. Astrophys.</i> , <b>24</b> , 337.	28, 33, 81
Shakura, N. I. & Sunyaev, R. A., 1976. <i>Mon. Not. R. Astron. Soc.</i> , <b>175</b> , 613.	82
Shaviv, G. & Wehrse, R., 1986. <i>Astron. Astrophys.</i> , <b>159</b> , L5.	76
Shields, G. A., 1978. <i>Nature</i> , <b>272</b> , 706.	89
Shlosman, I. & Begelman, M. C., 1987. <i>Nature</i> , <b>329</b> , 810.	99
Shlosman, I., Frank, J. & Begelman, M. C., 1989. <i>Nature</i> , <b>338</b> , 45.	99
Shostak, G. & van der Kruit, P. C., 1984. <i>Astron. Astrophys.</i> , <b>132</b> , 20.	131
Showalter, M. R., Cuzzi, J. N., Marouf, E. A. & Esposito, L. W., 1986. <i>Icarus</i> , <b>66</b> , 297.	21
Shu, F. H., 1968. <i>PhD thesis</i> , Harvard University.	188
Shu, F. H., 1984. In <i>Planetary Rings</i> , p513, eds. Greenberg, R. & Brahic, A., University of Arizona Press, Tucson, AZ.	3, 4, 8
Shu, F. H., Adams, F. C. & Lizano, S., 1987. <i>Annu. Rev. Astron. Astrophys.</i> , <b>25</b> , 23.	27, 49
Shu, F. H., Cuzzi, J. N. & Lissauer, J. J., 1983. <i>Icarus</i> , <b>53</b> , 185.	2, 5, 6, 7, 9, 13
Shu, F. H., Dones, L., Lissauer, J. J., Yuan, C. & Cuzzi, J. N., 1985. <i>Astrophys. J.</i> , <b>299</b> , 542.	8, 9, 11, 13, 21, 25
Shu, F. H., Yuan, C. & Lissauer, J. J., 1985. <i>Astrophys. J.</i> , <b>291</b> , 356.	9, 21
Siemiginowska, A. & Czerny, B., 1989. In <i>Theory of Accretion discs</i> , eds. Duschl, W. & Meyer, F., NATO Conference Series, in press.	95
Simkin, S. M., van Gorkom, J., Hibbard, J. & Su, H.-J., 1987. <i>Science</i> , <b>235</b> , 1367.	132
Simkin, S., Su, H. & Schwarz, M. P., 1980. <i>Astrophys. J.</i> , <b>237</b> , 404.	100
Simon, M., Peterson, D. M., Longmore, A. J., Storey, J. W. V. & Tokunaga, A. T., 1985. <i>Astrophys. J.</i> , <b>298</b> , 328.	54, 55, 226
Simonson, G. S., 1982. <i>PhD thesis</i> , Yale University.	150
Sitko, M. L., 1986. In <i>Continuum Emission in Active Galactic Nuclei</i> , p29, N.O.A.O., Tucson, AZ.	95
Sivagnanam, P. & Le Squeren, A. M., 1986. <i>Astron. Astrophys.</i> , <b>168</b> 374.	139
Skaley, D., 1985. "Sphärische Dynamos mit differentieller Rotation und ortsabhängiger Leitfähigkeit", Diploma thesis, University of Freiburg.	151
Smak, J., 1969. <i>Acta Astron.</i> , <b>19</b> , 155.	85
Smith, B. A. <i>et al.</i> , 1979. <i>Science</i> , <b>204</b> , 951.	2
Smith, B. A. <i>et al.</i> , 1981. <i>Science</i> , <b>212</b> , 163.	12
Smith, B. A. <i>et al.</i> , 1986. <i>Science</i> , <b>233</b> , 43.	17
Smith, B. A. & Terrile, R. J., 1984. <i>Science</i> , <b>226</b> , 1421.	45
Smith, B. A. & Terrile, R. J., 1987. <i>Bull. Am. Astron. Soc.</i> , <b>19</b> , 289.	45, 48
Snell, R. L., 1987. In <i>Star Forming Regions</i> , IAU Symposium 115, p. 213, eds. Peimbert, M. & Jugaku, J., Reidel, Dordrecht.	50
Snell, R. L., Bally, J., Strom, S. E. & Strom, K., 1985. <i>Astrophys. J.</i> , <b>290</b> , 587.	50, 51
Snell, R. L., Loren, R. & Plambeck, R., 1980. <i>Astrophys. J. Lett.</i> , <b>239</b> , L17.	50
Sofue, Y., Fujimoto, M. & Wielebinski, R., 1988. <i>Annu. Rev. Astron. Astrophys.</i> , <b>24</b> , 459.	151
Sparke, L. S., 1986. <i>Mon. Not. R. Astron. Soc.</i> , <b>219</b> , 657.	149

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Sparke, L. S. & Casertano, S., 1988. <i>Mon. Not. R. Astron. Soc.</i> , <b>234</b> , 873.	147
Spruit, H. C., 1987. <i>Astron. Astrophys.</i> , <b>184</b> , 173.	32
Statler, T. S., 1989. <i>Astrophys. J.</i> , <b>344</b> , in press.	137, 138
Steiman-Cameron, T. Y. & Durisen, R. H., 1988. <i>Astrophys. J.</i> , <b>325</b> , 26.	149, 150
Steiman-Cameron, T. Y. & Durisen, R. H., 1989. <i>Astrophys. J.</i> , submitted.	149
Strom, K., Strom, S. E., Edwards, S., Cabrit, S. & Skrutskie, M., 1989. preprint.	52
Strom, K., Strom, S. E., Wolff, S., Morgan, J. & Wenz, M., 1986. <i>Astrophys. J. Suppl. Ser.</i> , <b>62</b> , 39.	53
Strom, S. E., Edwards, S. & Strom, K. M., 1989. preprint.	27
Strom, S. E., Strom, K., Grasdalen, G., Capps, R. & Thompson, D., 1985. <i>Astrophys. J.</i> , <b>90</b> , 2575.	54, 55
Sun, W.-H. & Malkan, M. A., 1987. In <i>Supermassive Black Holes</i> , ed. Kafatos, M., Cambridge University Press, Cambridge.	93, 94
Sun, W.-H. & Malkan, M. A., 1989. <i>Astrophys. J.</i> , in press.	91
Sundelius, B., Thomasson, M., Valtonen, M. J. & Byrd, G. G., 1987. <i>Astron. Astrophys.</i> , <b>174</b> , 67.	174, 217
Svitek, T. & Danielson, G. E., 1987. <i>J. Geophys. Res.</i> , <b>92</b> , 14,979.	26
Tacconi, L. J. & Young, J. S., 1986. <i>Astrophys. J.</i> , <b>308</b> , 600.	131
Taff, L. G., 1985. <i>Celestial Mechanics</i> , John Wiley and Sons, New York.	223
Tagger, M., Sygnet, J. F. & Pellat, R., 1989. <i>Astrophys. J. Lett.</i> , <b>337</b> , L9.	181
Tagger, M., Sygnet, J. F. & Pellat, R., 1989. In <i>Proceedings of a course on Plasma Astrophysics in Varenna (Italy)</i> , p. 335, ESA SP-285, Noordwijk.	181, 182
Tauber, J., Goldsmith, P. & Snell, R. L., 1988. <i>Astrophys. J.</i> , <b>325</b> , 846.	56
Telesco, C. M., Becklin, E. E., Wolstencroft, R. D. & Decher, R., 1988. <i>Nature</i> , <b>335</b> , 51.	47, 143
Telesco, C. M., Becklin, E. E., Wynn-Williams, C. G. & Harper, D. A., 1984. <i>Astrophys. J.</i> , <b>282</b> , 427.	143
Telesco, C. M. & Decher, R., 1988. <i>Astrophys. J.</i> , <b>334</b> , 573.	144
Thomasson, M., Donner, K. J., Sundelius, B., Byrd, G. G., Huang, T.-Y. & Valtonen, M. J., 1989. <i>Astron. Astrophys.</i> , <b>211</b> , 25.	217
Thompson, L. A., 1981. <i>Astrophys. J. Lett.</i> , <b>244</b> , L43.	214
Thompson, W. T., Irvine, W. M., Baum, W. A., Lumme, K. & Esposito, L. W., 1981. <i>Icarus</i> , <b>46</b> , 187.	25
Tilanus, R. P. J. & Allen, R. J., 1989. <i>Astrophys. J. Lett.</i> , <b>339</b> , L57.	129
Tilanus, R. P. J., Allen, R. J., van der Hulst, J. M., Crane, P. C. & Kennicutt, R. C., 1988. <i>Astrophys. J.</i> , <b>330</b> , 667.	129
Tohline, J. E., Simonson G. F. & Caldwell, N., 1982. <i>Astrophys. J.</i> , <b>252</b> , 92.	150
Toomre, A., 1964. <i>Astrophys. J.</i> , <b>139</b> , 1217.	31, 108, 119, 199, 233, 234
Toomre, A., 1977. <i>Annu. Rev. Astron. Astrophys.</i> , <b>15</b> , 437.	103, 156, 173, 176
Toomre, A., 1981. In <i>Structure and Evolution of Normal Galaxies</i> , p. 111, eds Fall, S. M. & Lynden-Bell, D., Cambridge University Press, Cambridge.	103, 156, 160, 173, 176, 218, 235
Toomre, A., 1983. In <i>Internal Kinematics and Dynamics of Galaxies</i> , IAU Symposium <b>100</b> , p. 177, ed. Athanassoula, E. Reidel, Dordrecht.	236, 237
Torrelles, J. M., Cantó, J., Rodríguez, L. F., Ho, P. T. P. & Moran, J., 1985. <i>Astrophys. J. Lett.</i> , <b>294</b> , L117.	56
Torrelles, J. M., Ho, P. T. P., Moran, J. M., Rodríguez, L. F. & Cantó, J. 1986. <i>Astrophys. J.</i> , <b>307</b> , 787.	56, 61
Torrelles, J. M., Ho, P. T. P., Rodríguez, L. F. & Cantó, J., 1986. <i>Astrophys. J.</i> , <b>305</b> , 721.	56, 62
Torrelles, J. M., Ho, P. T. P., Rodríguez, L. F. & Cantó, J., 1989. <i>Astrophys. J.</i> , submitted.	64

- Torrelles, J. M., Ho, P. T. P., Rodríguez, L. F., Cantó, J. & Verdes-Montenegro, L., 1989. *Astrophys. J.*, in press. 63
- Torrelles, J. M., Rodríguez, L. F., Cantó, J., Carral, P., Marcaide, J., Moran, J. M. & Ho, P. T. P., 1983. *Astrophys. J.*, **274**, 214. 56, 63
- Tyson, N. D., 1988. *Astrophys. J.*, **329**, L57. 133
- Tyson, N. D. & Scalo, J. M., 1988. *Astrophys. J.*, **329**, 618. 133
- Vandervoort, P. O., 1970. *Astrophys. J.*, **161**, 67. 188
- Verter, F., 1987. *Astrophys. J. Suppl. Ser.*, **65**, 555. 99, 100
- Vidal-Madjar, A., Hobbs, L. M., Ferlet, R. & Albert, C. E., 1986. *Astron. Astrophys.*, **167**, 325. 43
- Villumsen, J. V., 1985. *Astrophys. J.*, **290**, 75. 140
- Vogel, S. N., Kulkarni, S. R. & Scoville, N. Z., 1988. *Nature*, **334**, 402. 129
- Wade, R. A., 1984. *Mon. Not. R. Astron. Soc.*, **208**, 381. 93
- Wade, R. A., 1988. *Astrophys. J.*, **335**, 394. 76
- Walker, H. J. & Wolstencroft, R. D., 1988. *Publ. Astron. Soc. Pac.*, **100**, 1509. 47
- Webb, J. & Malkan, M. A., 1986. In *The Physics of Accretion onto Compact Objects*, p. 15, Lecture notes in Physics, eds. Mason, K. O., Watson, M. G. & White, N. E., Springer-Verlag, New York. 93
- Weidenschilling, S. J., 1984. *Icarus*, **60**, 555. 28, 37
- Welty, A., Strom, S. E., Hartmann, L. W. & Kenyon, S. J., 1989. preprint. 53
- Wetherill G. W. & Stewart, G. R., 1988. *Icarus*, **74**, 543. 28
- Wevers, B. M. H. R., 1986. *Astrophys. J. Suppl. Ser.*, **66**, 505. 177
- White, N. E., Kaluzienski, J. L. & Swank, J. H., 1984. In *High Energy Transients in Astrophysics*, p. 31, ed. Woosley, S. E., AIP Conf. Proc. **115**, New York. 79, 80
- White, N. E. & Mason, K. O., 1985. *Space Sci. Rev.*, **40**, 167. 76, 77
- Williams, R. E., 1989. *Astron. J.*, in press. 74
- Wisdom, J. & Tremaine, S., 1988. *Astron. J.*, **95**, 925. 25
- Wolstencroft, R. D., Scarrott, S. M. & Warren-Smith, R. F., 1989. In preparation. 45, 46
- Yanke, E., Edme, F. & Lesh, F. 1984. *Special Functions*, Mir, Moscow. 189, 191
- Zang, T. A., 1976. *PhD thesis*, MIT. 156
- de Zeeuw, P. T., 1985. *Mon. Not. R. Astron. Soc.*, **216**, 273. 184
- Zinnecker, H., Chelli, A. & Perrier, C., 1987. In *Star Forming Regions*, IAU Symposium **115**, p. 71, eds. Peimbert, M. & Jugaku, J., Reidel, Dordrecht. 54

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