

INDEX

- acyclic, 20–22, 62, 66–68
- affinely independent, 110
- allocation rule, 255–257
- announced state, 244, 245, 247, 253
- anonymity, 9, 10, 29, 30, 90–93, 95, 97, 98, 130, 156, 171, 235
- asymptotic saturation, 165
- benchmark package, 129
- binary independence of irrelevant alternatives, 79–81, 83
- bistochastic matrix, 134, 135, 189
- Black, Duncan, 2
- Borda count, 2, 17, 23, 24, 28, 42, 44, 57
- Borda rule, 42
- budget balanced, 248, 249
- capability-functioning approach, 184
- certainty equivalent, 119, 147
- completeness, 2, 3, 18, 20–23, 41, 49, 65, 73, 120, 133
- compromise property, 138
- Condorcet cycle, 44, 58
- consequentialist premise, 103, 104
- correlation increasing switch, 192–194, 198, 204, 205, 208, 209
- cubical array lemma, 249, 258
- Daltonian population principle, 131, 169, 188, 189, 194
- dashboard, 198, 199
- dictatorial rule, 44
- dominant strategy, 221, 242, 244–247, 251–257
- efficiency, 10, 68, 133, 136, 144, 145, 153, 164, 167, 235, 236, 242–244, 246–249, 252–254, 257
- elasticity of substitution, 202, 204
- equality, 11, 128, 135, 136, 145, 155, 156, 159, 161, 163, 164, 167–169, 172, 188
- equivalence relation, 18, 19
- expected utility, x, 102, 105, 119–121, 147, 148
- expected utility axioms, 9, 102, 104, 105, 118
- favorable composite change, 162, 163
- full-range property, 222–226, 232, 236, 237
- Hammond equity, 93
- Harsanyi’s aggregation equation, 106
- Harsanyi–Sen debate, 120
- impartial observer, 121
- inactive user independence, 167–169, 171
- independence of irrelevant alternatives, 3, 39, 42–49, 51, 52, 57–61, 63–68, 80, 81, 83, 97, 228–230
- independent prospects, 110–115, 117, 118
- informationally equivalent, 82

262

Index

- interpersonal comparability, x, 94
- Kenneth Arrow, 39
- Kolm, S-C, 11
- leximax, 92
- leximin, 92–95, 98
- Leximin rule, 93
- liberal Paradox, 58, 68
- Liberalism, 69
- List, C., 5
- Little, I. M. D., 5
- Lorenz
 - consistent, 133
 - curve, 132–134, 139
 - superior, 133, 134, 208
- lottery
 - compound, 103, 104
 - reduced, 103, 104
- manipulable preference, 221
- maximax, 92, 151
- maximin, 92, 94, 95, 137, 138, 141, 142
- maximizer, 121, 242, 243, 254, 257
- May, K., 9, 32
- mechanism design, 242
- min ratio, 168
- multiple-priors, 207
- Nash equilibrium, 237, 238
- non-degeneracy, 8
- non-manipulability, 8
- option set, 220, 223–226
- outcome efficiency, 242–244, 246–249, 252–254, 257
- Pareto indifference, 79
- payment function, 255, 257
- perfect complementarity, 149, 150
- pivotal, 46, 51–54, 242, 250–254, 258
- population-size neutrality, 131, 139, 145, 158, 171, 195, 204
- Positional dictatorship, 89
- preference diversity, 110
- priority parameter, 137, 141
- progressive transfer, 132, 134, 135, 141, 190, 191, 194, 195, 197, 206
- public good, 3, 7, 8, 183, 242, 243, 245, 249, 250, 258
- quasi-transitive, 20, 22, 62–64, 66, 68
- rationality principle, 19
- redistribution sensitive, 132, 133, 136, 139, 145
- reference income, 129
- reflexivity, 2, 3, 18, 20–23
- representative income, 135, 137, 140–143, 147, 194, 195
- right-system, 68, 69
- Robin Hood operation, 132, 167, 168, 171
- S-concave, 134, 137, 145, 166, 170
- Shannon entropy, 168
- single-user normalization, 165, 171
- smoothly connected, 252
- social evaluation functional, 6, 9, 10, 78, 79
- social welfare function, 41
 - Arrovian, ix, 22, 31, 42
- Sonnenschein, H., 67
- squared coefficient of variation, 144
- strategy proofness, 232
- strategyproof, 8
- strong neutrality, 79
- symmetry, 29, 33–38, 130–132, 156, 161, 165, 166, 171, 188
- third price, 258
- transformation, 4–6, 82–85, 88, 98, 105, 119, 135, 146, 151–153, 162–164, 168, 169, 190
- transitivity, 2, 3, 18, 21–23, 26, 41, 48, 49, 51, 52, 58, 62, 63, 68, 72–74, 80, 81, 87, 88, 90–92, 95, 96, 229
- two-stage aggregation, 197, 199
- unit translatable, 138, 141, 196, 199
- universality, 3, 8, 39

Index

263

- unrestricted domain, 39, 42, 44, 45, 47–49, 54, 57–61, 63–70, 73, 79, 81, 83, 97, 221–227, 230–232, 236, 241, 254, 256
utilitarian, 6, 9, 95, 97–99, 117, 120, 121, 140, 141, 201, 204, 209, 210
veil of ignorance, 9, 121, 146–148
veto power, 25, 58, 63, 65, 68
- von Neumann–Morgenstern utility, 101, 102, 104–108, 110, 113, 114, 116–119, 147, 172
weak Pareto, 42, 58
weak quasi-orderings, 22, 27, 58, 62, 63, 67
welfarism, 79, 81, 83, 85, 88–90, 93–95, 98, 140, 197