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Index of special symbols

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$A^{(\nu)}$	the ν th exterior power of the matrix A 5
$\mathfrak{A}(\phi)$	the ideal of the homomorphism ϕ 188
$\mathfrak{A}(\phi, E)$	the ideal of the homomorphism ϕ relative to the module E 188
$\text{Ann}_R(E)$	the annihilator of the R -module E 41
$\mathfrak{A}_\nu(A)$	the ν th determinantal ideal of the matrix A 6
$\mathfrak{A}_\nu(\phi)$	the ν th determinantal ideal of the homomorphism ϕ 104
$\text{Ass}_R(E)$	the set of prime ideals associated with the module E 178
$\text{Att}_R(E)$	the set of prime ideals attached to the module E 178
$\text{Char}_R(E)$	the Euler characteristic of the R -module E 77
$\mathfrak{F}(E)$	the initial Fitting invariant of E 60
$\mathfrak{F}_\mu(E)$	the μ th Fitting invariant of E 59
$\mathfrak{G}(E)$	the MacRae invariant of E 85
$\text{Gr}_R\{\mathfrak{A}\}$	the true grade of the ideal \mathfrak{A} 149
$\text{Gr}_R\{\mathfrak{A}; E\}$	the true grade of \mathfrak{A} on the module E 149
$\text{gr}_R\{\mathfrak{A}; E\}$	the classical grade of \mathfrak{A} on the module E 149
$H_k(\mathbb{C})$	the k th homology module of the complex \mathbb{C} 164
$\text{Pd}_R(E)$	the projective dimension of the R -module E 71
$\text{Pd}_R^*(E)$	the restricted projective dimension of the R -module E 71
$\text{Rad } \mathfrak{A}$	the radical of the ideal \mathfrak{A} 113
$\text{rank}_R(A)$	the rank of the matrix A 62
$\text{rank}_R(A, E)$	the rank of the matrix A relative to the module E 62
$\text{rank}_R(F)$	the rank of the free R -module F 25
$\text{rank}_R(\phi)$	the rank of the homomorphism ϕ 105
$\text{rank}_R(\phi, E)$	the rank of the homomorphism ϕ relative to the module E 104
$\text{red. rank}_R(A)$	the reduced rank of the matrix A 62
$\text{red. rank}_R(A, E)$	the reduced rank of the matrix A relative to the module E 62
$\text{red. rank}_R(\phi, E)$	the reduced rank of the homomorphism ϕ relative to the module E 105
S_p^p	the set of subsequences of $\{1, 2, \dots, p\}$ of length ν 4
$\text{Spec } (R)$	the spectrum of R 119
$\text{Supp}_R(E)$	the support of the R -module E 42
$V(\mathfrak{A})$	the variety of the ideal \mathfrak{A} 119