

Index

- amalgam
 - method, xi
- associator, 225
- automorphism
 - central, 66
 - standard, 52
 - twisted, 52
- automorphism group
 - code, 23
- Baby Monster
 - amalgam, 185
- branch
 - core, 130
- bunch of roots, 130
- code
 - doubly even, 2
 - even, 2
- completion, 42
 - faithful, 42
 - generating, 42
 - group, 42
 - map, 42
 - universal, 42
- Conway
 - group, 1
- dent, 170
- dodecad, 3
- extension
 - extraspecial, 23
- form
 - trace, 149
- fusion rules, 205, 208
- geometry
 - tilde, 111
- Golay
 - code, 2
 - set, 2
- graph
 - collinearity, 229
 - short vector, 165
 - transposition, 230
- Griess
 - algebra, xiii, 123, 148
- group
 - Baby Monster, xii
 - extraspecial, 13
 - hexacode, 32, 63
 - Higman–Sims, 197
 - Monster, 1
 - trident, 171
- heptad, 4
- hexacode, 31
- holomorph, 14
 - standard, 15
 - twisted, 15
- Ising
 - vector, 211
- Jordan
 - algebra, 156
- Krein
 - algebra, 126

252

Index

Leech
 frame, 26
 lattice, 25
 local isomorphism, 229

Majorana
 axial vector, xiii, 210
 fermion, 211
 involution, xiii, 210
 map
 intersection, 10
 Mathieu
 group, 1, 4
 Miyamoto
 involution, 211
 module
 anti-heart, 11
 anti-permutation, 10
 elementary induced, 129
 Golay code, 1, 5
 irreducible, 5
 hexacode, 32
 multiplicity-free, 126
 Monster
 amalgam, xi, 41, 76
 graph, xii, 230
 group, 42

Norton
 inequality, 209, 224
 pair, 122

octad, 3
 sublattice, 115

pair, 3, 91
 Parker
 loop, 16, 59

quasi-complement, 66

reper, 130
 representation
 monomial, 128

semidirect product
 partial, 8
 sextet, 3, 31
 subgroup
 monomial, 27
 singular, 111
 three bases, 37, 38

tetrad, 3, 31
 Todd
 module, 1, 3, 5
 transformation
 adjoint, 149
 triple, 3

uniqueness systems, 234

vector
 axial, 201