

Index

- adjacency algebra 164
- affine space 200
 - finite 204
- antichain 44
- antipodal block 37
- antipodal covering 37
- antipodal quotient 37

- between vertex 158
- bicycle 234
- Bose parameters 165
- bridge 230

- canonical map 135,138
- chromatic number of a
 - matroid 233
- classes defined by homo-
morphisms 105
- clique subgraph 107
- cluster expansion 18
- cocycle 230
- colouring model 3
- connectivity pair 68
- cycle 230

- digraph 230
- dominating 230

- edge-partition property 104
- extremal property 44

- fixing 47
- flow 235
- forbidden subgraphs 104

- generalized quadrangle 181
- Gram matrix 166
- graph
 - distance-regular 32
 - distance-transitive 30
 - homogeneous 22
 - locally \underline{X} -homogeneous 39
 - k -chromatically connected
107
 - k -critically n -connected
80
 - minimally n -connected 76
 - minimally n -edge connected
76
 - (n,k) 80
 - n -linked 83
 - oriented 212
 - pancyclic 212
 - rank 3 100
 - semi-primitive 25,27
 - strongly regular 158
 - \underline{X} -homogeneous 24

- Hadamard matrix 162
 homomorphism 105
 hypergraph 44
- ideal 44
 indegree 67,211
 inner density 122
 interaction function 1
 interaction model 1
 intersecting hypergraph 44
 Ising model 3
- join 67
- k-block 241
 minimal 243
 tangential 242
- k-hypergraph 44
 k-separation 245
 Krein parameters 165
- Latin square 162
 local interaction 2
 locally sparse set 132
- matroid 230
 binary 231
 chromatic number of a 233
 cocycle 230
 cographic 230
 cycle 230
 Fano 231
 graphic 230
 minor of a 230
- matroid, regular 231
 restriction of a 230
- metric subgraph 107
 minor of a matroid 220
 multiplicative method 11
- ordered set-system 101
 ordering property 114,140
 outdegree 67,211
 outer density 132
- partial geometry 162,183
 partial quadrangle 188
 partial three-space 189
 partition arrow 97
 partition function 2
 reduced 6
 partition theory 97
 Peano arithmetic 115
 projective space 194
 prototype theorem 114
- quasi-symmetric block-design
 101
- Ramsey category 112
 Ramsey number 97
 Ramsey ultrafilter 125
 rank generating function 232
 reconstruction problem 9
 reduced partition function 6
 relatively large set 117
 resonant model 4
 restriction of a matroid 230

Schur product 164
selective hypergraph 135
selective class 136
semi-partial geometry 187
splitter 245
star type 5
Steiner triple system 162
strong digraph 212
switching 124

tournament 212
Tutte-Grothendieck invariant 231
Tutte polynomial 232
type invariant 5

ultrafilter 123

vertex splitting 74

weight of a state 2
wheel 74