continued from inside front cover

$l(D)$	maximum length of path
$l(F)$	length of a face
$\lg x$	logarithm base 2
$\ln x$	natural logarithm
M	matching
$M(G)$	incidence matrix
$M(G)$	cycle matroid of G
M^*	dual hereditary system
$M.F$	contraction of M to F
$M\|F$	restriction of M to F
$\mathbb{N}$	set of natural numbers
N	network
$N(v)N_G(v)$	(open) neighborhood
$N[v]$	closed neighborhood
$N^+(v)$, $N^-(v)$	out-, in-neighborhood
$n(G)$	order (number of vertices)
$O(f)$, $o(f)$	growth rate
$o(H)$	number of odd components
$P(A)$	probability of an event
P_n	path with n vertices
pdim G	product dimension
qdim G	squashed-cube dimension
Q_k	k-dimensional hypercube
rad G	radius
$R(k, l)$	Ramsey number
$R(G, H)$	graph Ramsey number
$\mathbb{R}$	set of real numbers
$\mathbb{R}^2$	$\mathbb{R} \times \mathbb{R}$
r_M	rank function of matroid
S_γ	surface with γ handles
Spec(G)	spectrum (eigenvalues)
A^T	transpose of matrix
T	tree, tournament
$T_{n,r}$	Turán graph
$t_r(n)$	size of Turán graph
$U_{k,n}$	uniform matroid
$u(e)$	upper bound on flow
val(f)	value of a flow f
$V(G)$	vertex set
W_n	wheel with n vertices
$w(e)$	weight of edge
$\mathbb{Z}$	set of integers
$\mathbb{Z}_p$	integers modulo p

Greek alphabet

$\alpha(G)$	independence number
$\alpha'(G)$	maximum size of matching
$\beta(G)$	vertex cover number
$\beta'(G)$	edge cover number
$\gamma(G)$	genus, domination number
$\Delta(G)$	maximum degree
$\Delta^+(G)$, $\Delta^-(G)$	maximum out-, in-degree
$\delta(G)$	minimum degree
$\delta^+(G)$, $\delta^-(G)$	minimum out-, in-degree
$\partial(v)$	demand at a vertex
$\epsilon_G(u)$	eccentricity of u in G
$\Theta(f)$	growth rate
$\theta(G)$	clique cover number
$\theta'(G)$	intersection number
$\kappa(G)$	(vertex) connectivity
$\kappa'(G)$	edge-connectivity
$\kappa(x, y)$	local connectivity
$\kappa'(x, y)$	local edge-connectivity
$\kappa(r; G)$	local-global connectivity
$\lambda(x, y)$	max # disjoint paths
$\lambda'(x, y)$	max # edge-disjoint paths
$\lambda_1, \ldots, \lambda_n$	eigenvalues
$\mu_1, \ldots, \mu_n$	eigenvalues
$\mu(e)$, $\mu(G)$	edge multiplicity
$\nu(G)$	crossing number
$\prod$	product
$\rho(G)$	maximum density
$\sum$	summation
σ, π, τ	permutation
$\sigma(v)$	supply at a vertex
σ_M	span function
$\tau(G)$	number of spanning trees
$\Upsilon(G)$	arboricity
$\phi(G; \lambda)$	characteristic polynomial
$\chi(G)$	chromatic number
$\chi'(G)$	edge-chromatic number
$\chi(G; k)$	chromatic polynomial
$\chi_l(G)$	list chromatic number
$\psi(G; \lambda)$	minimum polynomial
$\Omega(f)$, $\omega(f)$	growth rate
$\omega(G)$	clique number