

# Greek graph and hypergraph functions

$\alpha(G)$	stable set number of $G$ . . . . .	23
$\alpha(H)$	stable set number of $H$ . . . . .	1428
$\alpha^*(G)$	fractional stable set number of $G$ . . . . .	1090
$\alpha^*(H)$	fractional stable set number of $H$ . . . . .	1429
$\alpha^{**}(G)$	strong fractional stable set number of $G$ . . . . .	1096
$\alpha_2(G)$	2-stable set number of $G$ . . . . .	531
$\alpha_k(H)$	$k$ -stable set number of $H$ . . . . .	1429
$\alpha_w(G)$	weighted stable set number of $G$ . . . . .	1155
$\Delta(G)$	maximum degree of $G$ . . . . .	17
$\delta(G)$	minimum degree of $G$ . . . . .	17
$\eta(G)$	Haemers bound on $\Theta(G)$ . . . . .	1170
$\Theta(G)$	Shannon capacity of $G$ . . . . .	1167
$\vartheta(G)$	Lovász bound on $\Theta(G)$ . . . . .	1152
$\vartheta'(G)$	variant of $\vartheta(G)$ . . . . .	1173
$\vartheta_w(G)$	weighted version of $\vartheta(G)$ . . . . .	1155
$\kappa(D)$	(vertex-)connectivity of $D$ . . . . .	238
$\kappa(G)$	(vertex-)connectivity of $G$ . . . . .	237
$\lambda(D)$	arc-connectivity of $D$ . . . . .	238
$\lambda(G)$	edge-connectivity of $G$ . . . . .	238
$\mu(G)$	maximum edge multiplicity of $G$ . . . . .	467
$\nu(G)$	matching number of $G$ . . . . .	23
$\nu(H)$	matching number of $H$ . . . . .	1377
$\nu^*(G)$	fractional matching number of $G$ . . . . .	521
$\nu^*(H)$	fractional matching number of $H$ . . . . .	1378
$\nu_2(G)$	2-matching number of $G$ . . . . .	520
$\nu_k(H)$	$k$ -matching number of $H$ . . . . .	1378
$\tilde{\nu}(G)$	edge and circuit packing number of $G$ . . . . .	1199
$\xi(G)$	edge cover packing number of $G$ . . . . .	324
$o(G)$	number of odd components of $G$ . . . . .	413
$\rho(G)$	edge cover number of $G$ . . . . .	23
$\rho(H)$	edge cover number of $H$ . . . . .	1428
$\rho^*(G)$	fractional edge cover number of $G$ . . . . .	533
$\rho^*(H)$	fractional edge cover number of $H$ . . . . .	1429
$\rho_2(G)$	2-edge cover number of $G$ . . . . .	531
$\rho_k(H)$	$k$ -edge cover number of $H$ . . . . .	1430
$\tilde{\rho}(G)$	edge and circuit cover number of $G$ . . . . .	1196

$\tilde{\rho}_w(G)$	weighted edge and circuit cover number of $G$ . . . . .	1188
$\tau(G)$	vertex cover number of $G$ . . . . .	23
$\tau(H)$	vertex cover number of $H$ . . . . .	1377
$\tau^*(G)$	fractional vertex cover number of $G$ . . . . .	521
$\tau^*(H)$	fractional vertex cover number of $H$ . . . . .	1378
$\tau_2(G)$	2-vertex cover number of $G$ . . . . .	520
$\tau_k(H)$	$k$ -vertex cover number of $H$ . . . . .	1378
$\chi(G)$	(vertex-)colouring number of $G$ . . . . .	23
$\chi^*(G)$	fractional colouring number of $G$ . . . . .	1096
$\chi_w(G)$	weighted colouring number of $G$ . . . . .	1096
$\chi_w^*(G)$	fractional weighted colouring number of $G$ . . . . .	1097
$\chi'(G)$	edge-colouring number of $G$ . . . . .	24
$\chi'^*(G)$	fractional edge-colouring number of $G$ . . . . .	474
$\bar{\chi}(G)$	clique cover number of $G$ . . . . .	1083
$\bar{\chi}^*(G)$	fractional clique cover number of $G$ . . . . .	1096
$\bar{\chi}_w(G)$	weighted clique cover number of $G$ . . . . .	1097
$\bar{\chi}_w^*(G)$	fractional weighted clique cover number of $G$ . . . . .	1155
$\omega(G)$	clique number of $G$ . . . . .	23
$\omega_w(G)$	weighted clique number of $G$ . . . . .	1157