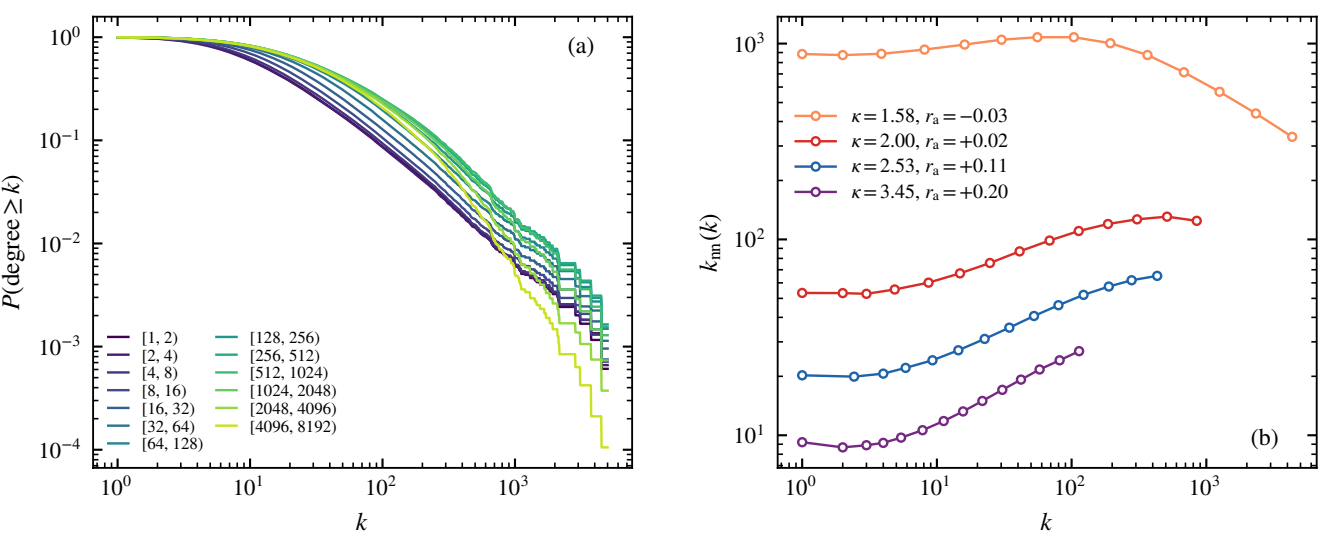

(a)
$P(\text{degree} \geq k)$
k
[1, 2)
[2, 4)
[4, 8)
[8, 16)
[16, 32)
[32, 64)
[64, 128)
[128, 256)
[256, 512)
[512, 1024)
[1024, 2048)
[2048, 4096)
[4096, 8192)
(b)
$k_{\text{nn}}(k)$
k
$\kappa = 1.58$, $r_{\text{a}} = -0.03$
$\kappa = 2.00$, $r_{\text{a}} = +0.02$
$\kappa = 2.53$, $r_{\text{a}} = +0.11$
$\kappa = 3.45$, $r_{\text{a}} = +0.20$