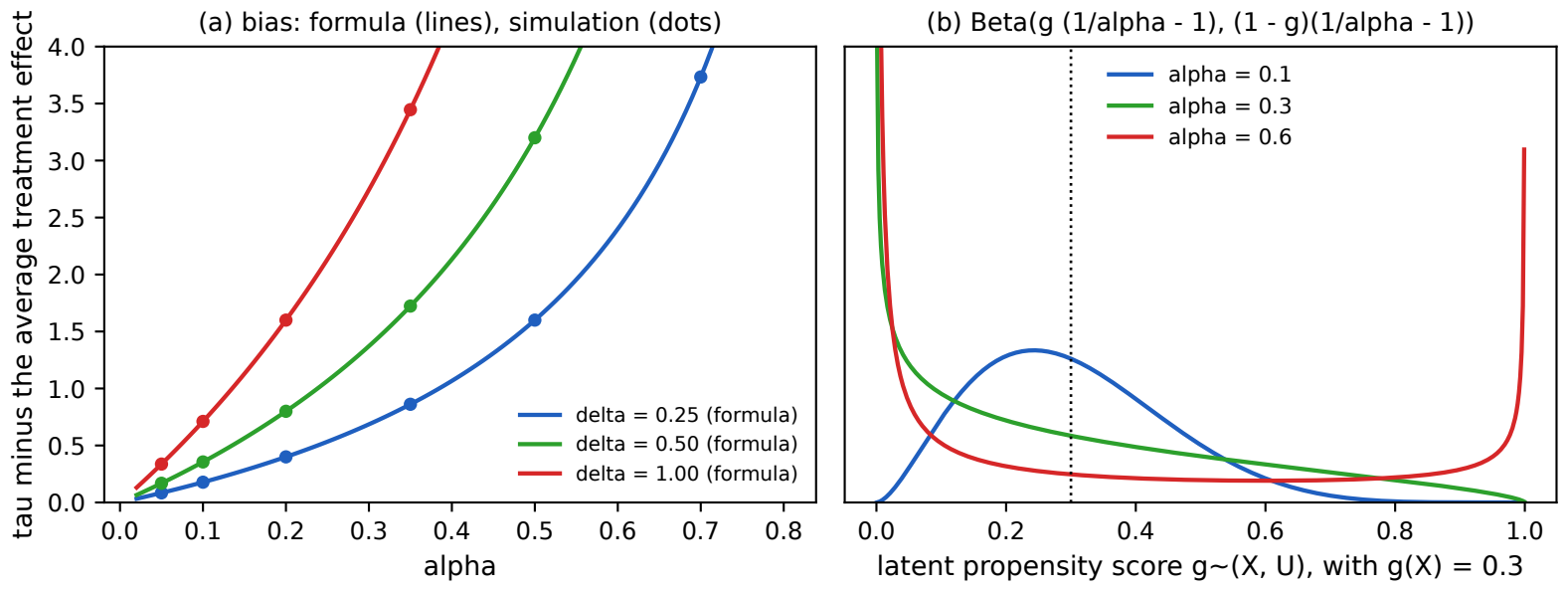

(a) bias: formula (lines), simulation (dots)
tau minus the average treatment effect
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
alpha
delta = 0.25 (formula)
delta = 0.50 (formula)
delta = 1.00 (formula)
(b) Beta(g (1/alpha - 1), (1 - g)(1/alpha - 1))
alpha = 0.1
alpha = 0.3
alpha = 0.6
0.0
0.2
0.4
0.6
0.8
1.0
latent propensity score g~(X, U), with g(X) = 0.3