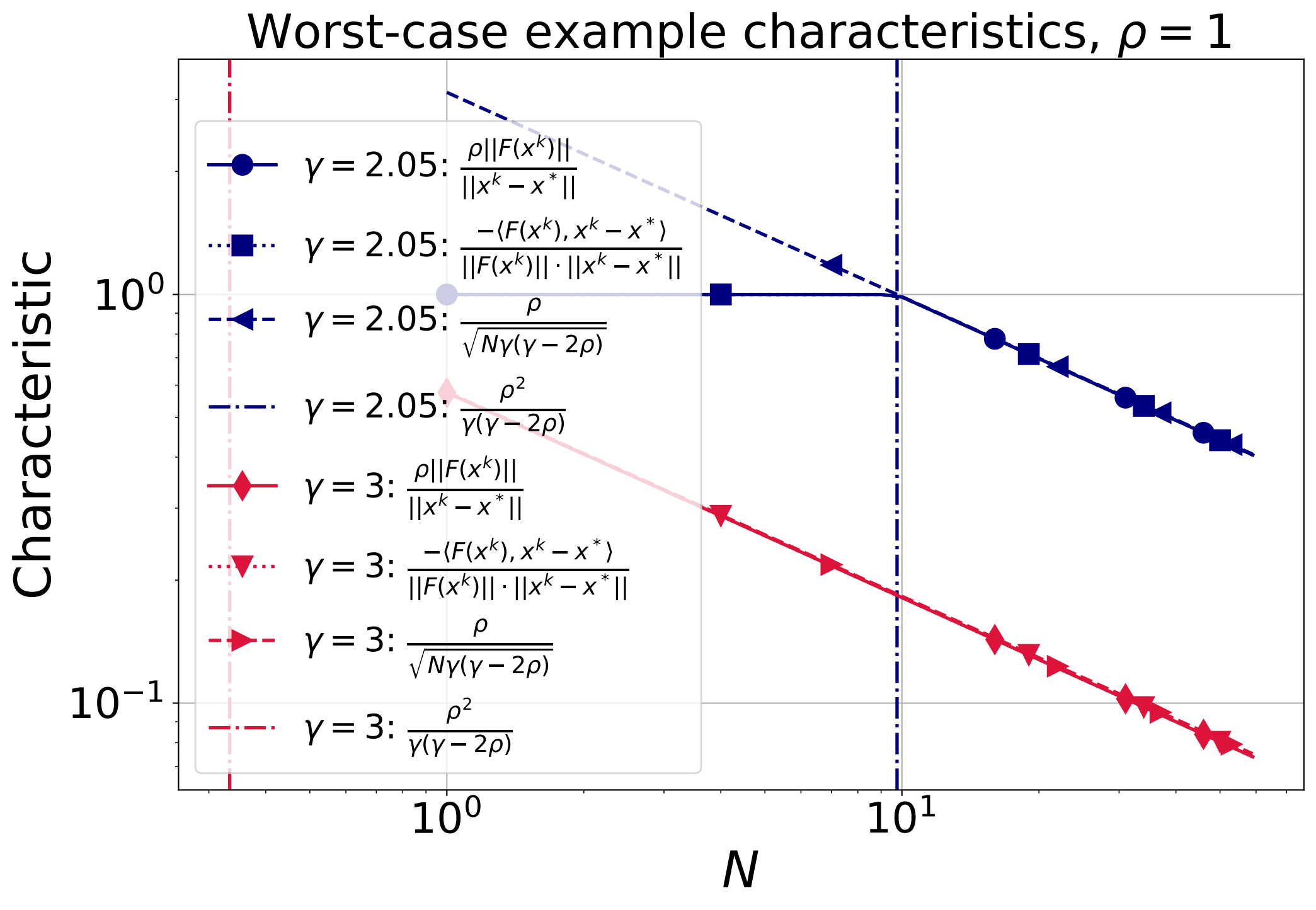
Worst-case example characteristics, $\rho = 1$
Characteristic
10^0
10^{-1}
10^0
10^1
N
$\gamma = 2.05$: $\frac{\rho||F(x^k)||}{||x^k - x^*||}$
$\gamma = 2.05$: $\frac{-\langle F(x^k), x^k - x^* \rangle}{||F(x^k)|| \cdot ||x^k - x^*||}$
$\gamma = 2.05$: $\frac{\rho}{\sqrt{N\gamma(\gamma - 2\rho)}}$
$\gamma = 2.05$: $\frac{\rho^2}{\gamma(\gamma - 2\rho)}$
$\gamma = 3$: $\frac{\rho||F(x^k)||}{||x^k - x^*||}$
$\gamma = 3$: $\frac{-\langle F(x^k), x^k - x^* \rangle}{||F(x^k)|| \cdot ||x^k - x^*||}$
$\gamma = 3$: $\frac{\rho}{\sqrt{N\gamma(\gamma - 2\rho)}}$
$\gamma = 3$: $\frac{\rho^2}{\gamma(\gamma - 2\rho)}$