Branching Processes; Probability Generating Function Plots
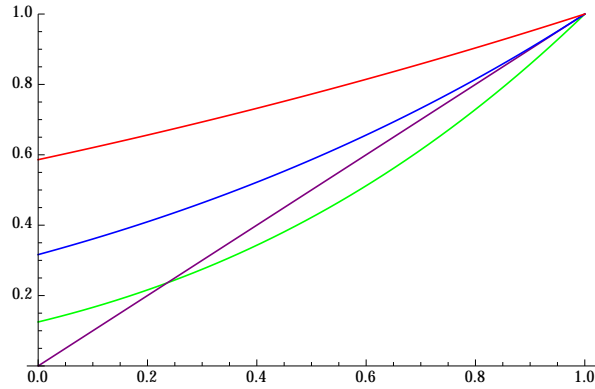## Jon A. Wellner
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Figure 1: Probability Generating Functions, $Y_i \sim \text{Binomial}(n, p)$: $n = 3$, $p = 1/2 = $ green; $n = 4$, $p = 1/4 = $ blue; $n = 4$, $p = 1/8 = $ red
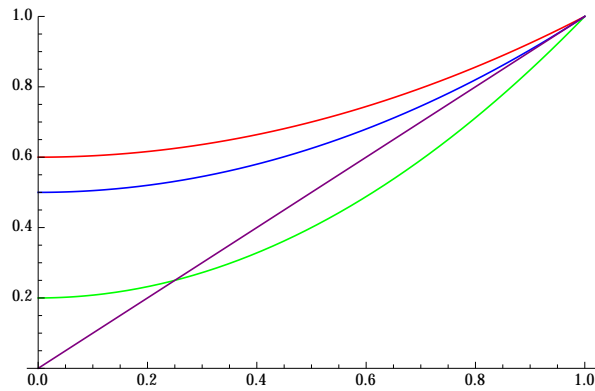

Figure 2: Binary offspring distribution, $P(Y_i = 2) = a$, $P(Y_i = 0) = 1 - a$: $a = .8$, green; $a = .4$, red; $a = .5$, blue.