

Linear Approximations

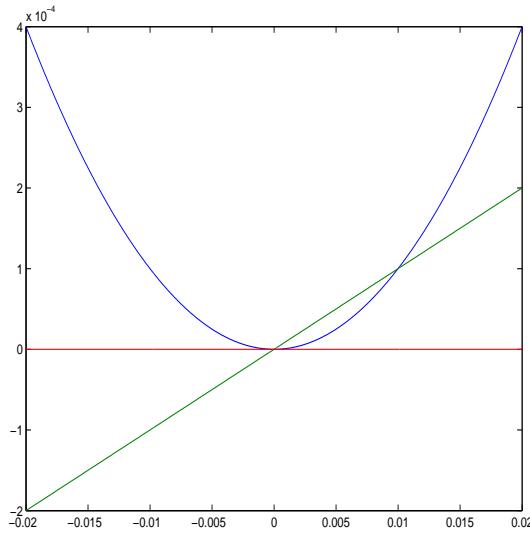


Figure 1: Plot of $y = x^2$, $y = 0$ (tangent) and $y = 0.01x$ (non-tangent)

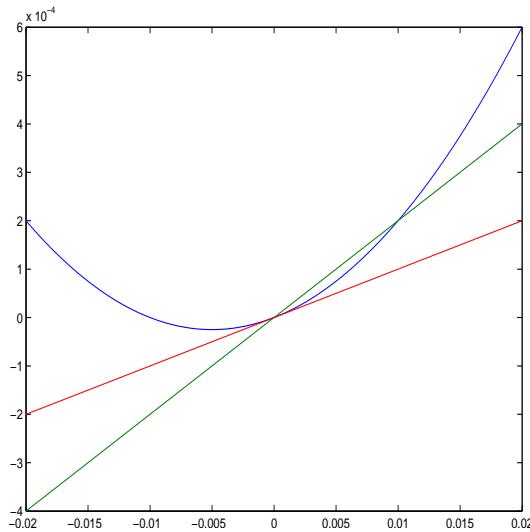


Figure 2: Plot of $y = x^2 + 0.01x$, $y = 0.01x$ (tangent) and $y = 0.02x$ (non-tangent)