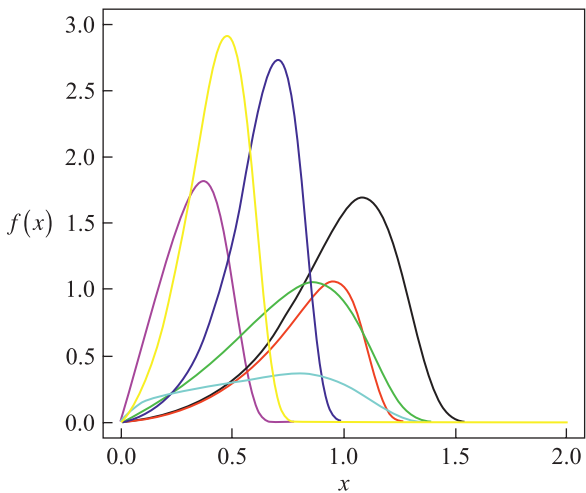
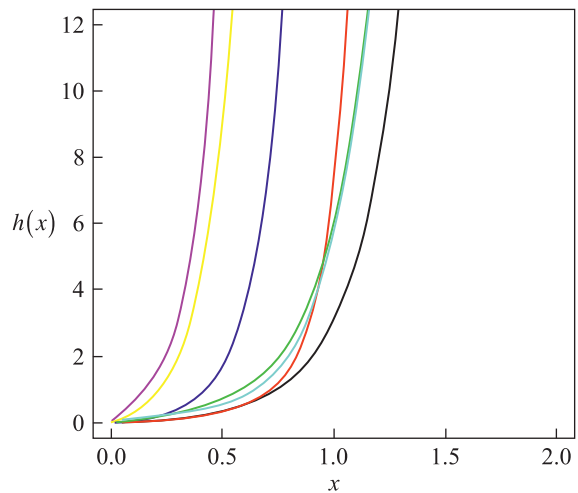
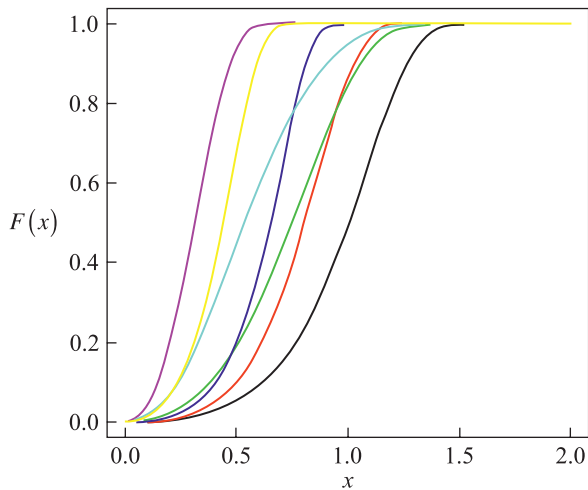


a 

- $\mu = 1.0, \beta = 3.7, \theta = 1.5, \rho = 0.1$
- $\mu = 0.4, \beta = 1.4, \theta = 2.5, \rho = 0.2$
- $\mu = 0.6, \beta = 2.3, \theta = 1.2, \rho = 0.3$
- $\mu = 1.0, \beta = 1.5, \theta = 2.5, \rho = 0.4$
- $\mu = 0.2, \beta = 1.5, \theta = 1.1, \rho = 0.5$
- $\mu = 0.5, \beta = 3.0, \theta = 2.0, \rho = 0.6$
- $\mu = 1.0, \beta = 2.0, \theta = 2.0, \rho = 0.7$

 b 

- $\mu = 1.0, \beta = 4.2, \theta = 1.5, \rho = 0.1$
- $\mu = 0.4, \beta = 1.4, \theta = 2.5, \rho = 0.2$
- $\mu = 0.6, \beta = 2.3, \theta = 1.2, \rho = 0.3$
- $\mu = 1.0, \beta = 1.5, \theta = 2.5, \rho = 0.4$
- $\mu = 0.2, \beta = 1.5, \theta = 1.1, \rho = 0.5$
- $\mu = 0.5, \beta = 3.0, \theta = 2.0, \rho = 0.6$
- $\mu = 1.0, \beta = 2.0, \theta = 2.0, \rho = 0.7$

 c 

- $\mu = 1.0, \beta = 4.2, \theta = 1.5, \rho = 0.1$
- $\mu = 0.4, \beta = 1.4, \theta = 2.5, \rho = 0.2$
- $\mu = 0.6, \beta = 2.3, \theta = 1.2, \rho = 0.3$
- $\mu = 1.0, \beta = 1.5, \theta = 2.5, \rho = 0.4$
- $\mu = 0.2, \beta = 1.5, \theta = 1.1, \rho = 0.5$
- $\mu = 0.5, \beta = 3.0, \theta = 2.0, \rho = 0.6$
- $\mu = 1.0, \beta = 2.0, \theta = 2.0, \rho = 0.7$

Fig. 1. MT generated plots
for the Gompertz model with various parameter values:
 a – MTG density; b – MTG hazard rate function; c – MTG CDF