Figure 1 : Plot of $J_1(x)$

Legend:
- $J_1(x)$
- $x \geq 18$, Best Fit with modelA
- $x \geq 3$, Fit with modelA for small x_0
- $x \geq 18$, Best Fit with modelB
- $x \geq 3$, Fit with modelB for small x_0