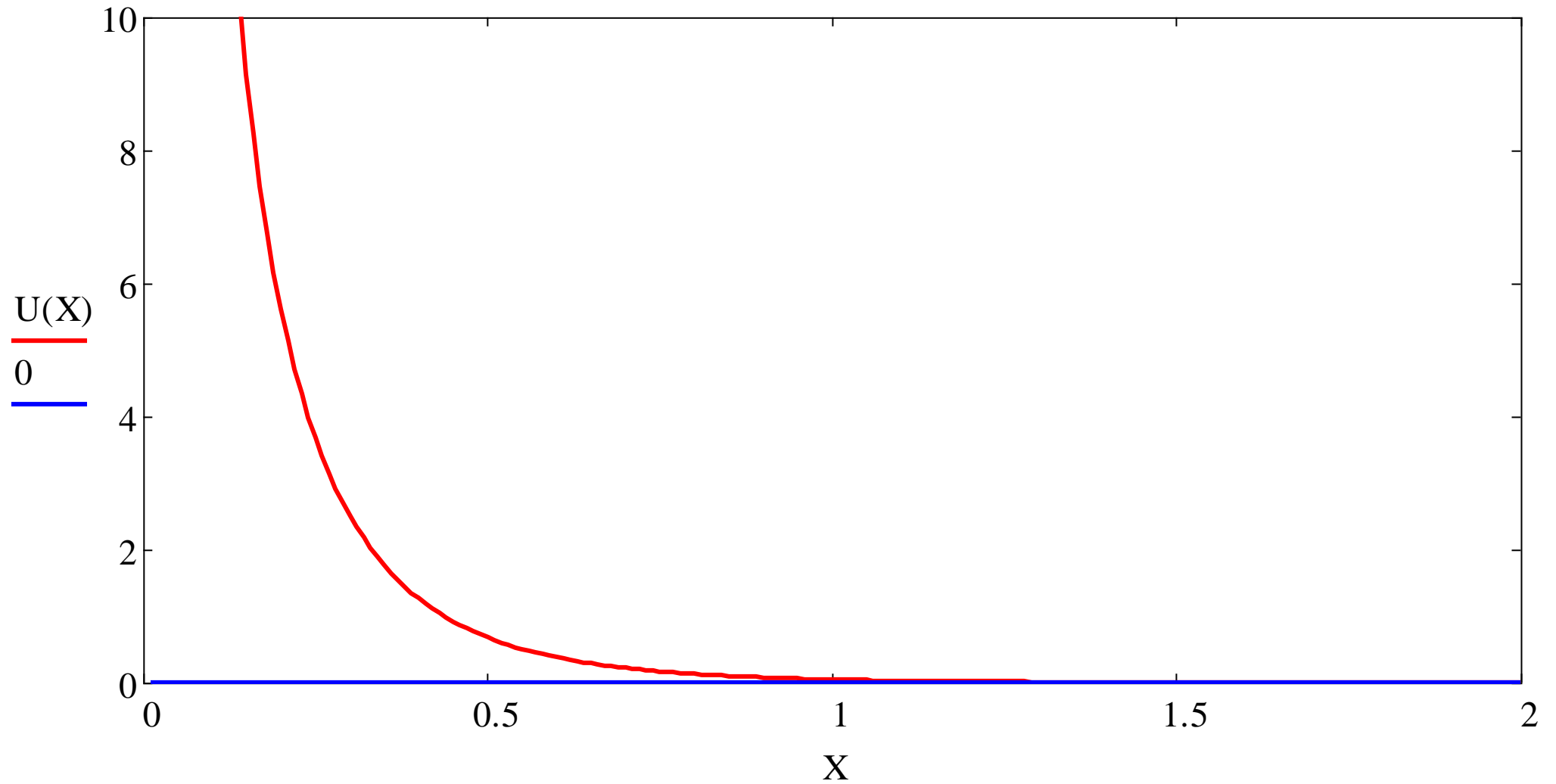# Yukawa Potential

A := 10   B := 4.0

$$U(r) := A \cdot \frac{e^{-B \cdot r}}{B \cdot r}$$

X := 0.01 , 0.02 .. 2

M3Y Potential (2 Yukawa Terms)

$A1 := 7999$ $B1 := 4.0$ $A2 := -2134$ $B2 := 2.5$ $X := 0.2, 0.21 .. 2$

$$U1(r) := A1 \cdot \frac{e^{-B1 \cdot r}}{B1 \cdot r} \qquad U2(r) := A2 \cdot \frac{e^{-B2 \cdot r}}{B2 \cdot r} \qquad U(r) := U1(r) + U2(r)$$