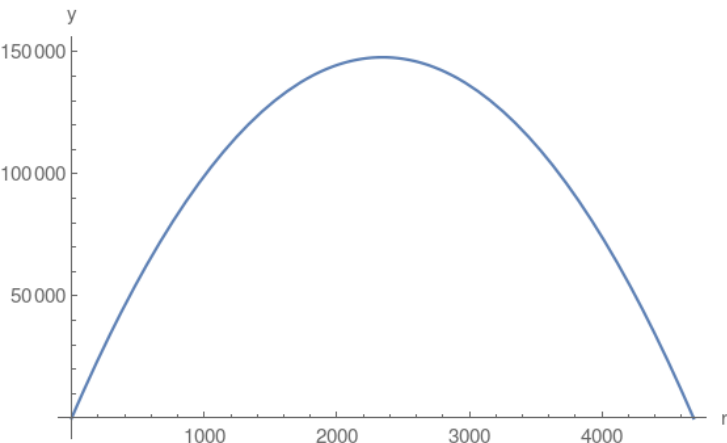


3.

3. (A) To find the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-126}{2 \cdot \frac{(-13)}{22^2}} = \frac{30492}{13}$$



since the height  $y$  of the projectile is modeled by a Parabola function.