

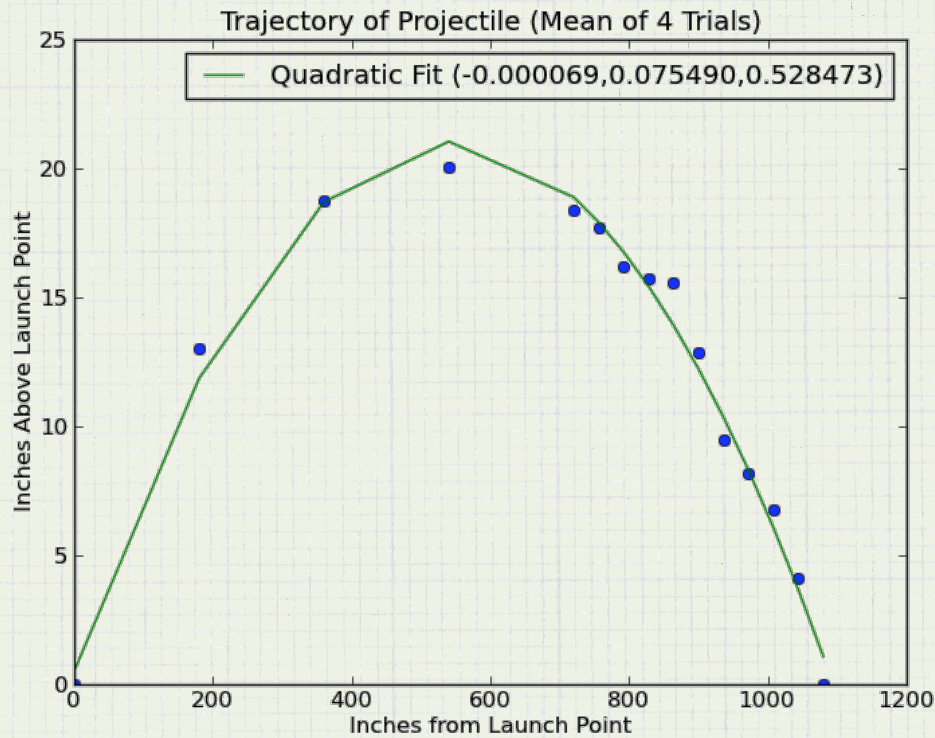
Using a model: How thick a shield?



Use the model to make predictions when experiments are impractical or inadvisable.

Want to know the speed of the arrow as it reaches the target.

Arrow speed when reaching target



$$y = (-.000069)x^2 + (.0755)x + .528$$