## PITCH ANGLE

R dated Equations.

$$\Delta z = v_{iz}t - \frac{1}{2}at^2$$
  $t = \Delta d$ 
 $v_{i}$  core

$$\Delta z = \Delta d \tan \theta + \frac{4.9 \, \Delta d^2 \sec^2 \theta}{V_i^2}$$

$$-\frac{4.9\Delta d^{2}x^{2}}{V_{1}^{2}} + \Delta dx - \Delta z + \frac{4.9\Delta d^{2}}{V_{1}^{2}} = 0$$

$$a = \frac{-4.9\Delta d^2}{V_1'^2}$$
  $b = \Delta d$   $c = -\Delta = \frac{-4.9\Delta d^2}{V_1^2}$ 

Ad = distance traveled towards target.

$$\Delta Z = Z - Z_0$$

$$100^2 \Theta = 1 + ton^2 \Theta$$