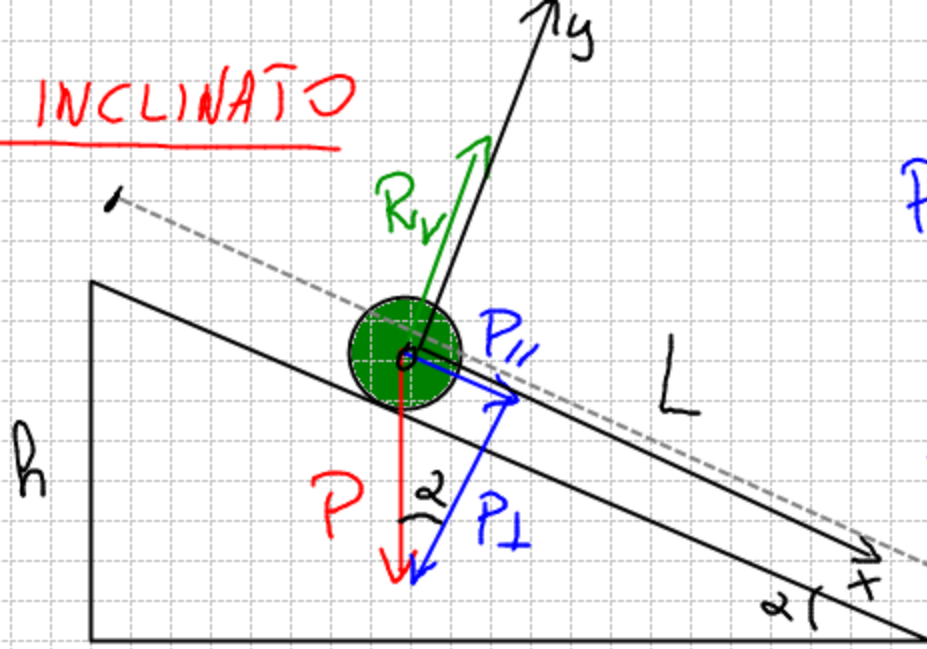


IL PIANO INCLINATO



$P_{||}$ = componente della forza peso P // al piano inclinato.

P_{\perp} = componente della forza peso P \perp al piano inclinato.

$$R_v = P_{\perp}$$

$$P_{||} : h = P : L$$

$$P_{||} = \frac{h \cdot P}{L} \quad (h = L \sin \alpha)$$

$$\frac{hP}{L} = m a_x$$

\Rightarrow

$$P = mg \Rightarrow \frac{h mg}{L} = m a_x$$

$$a_y = 0 \Rightarrow m a_y = 0$$

$$a_x = \frac{h g}{L}$$

$$a_x = \sin \alpha g$$

