

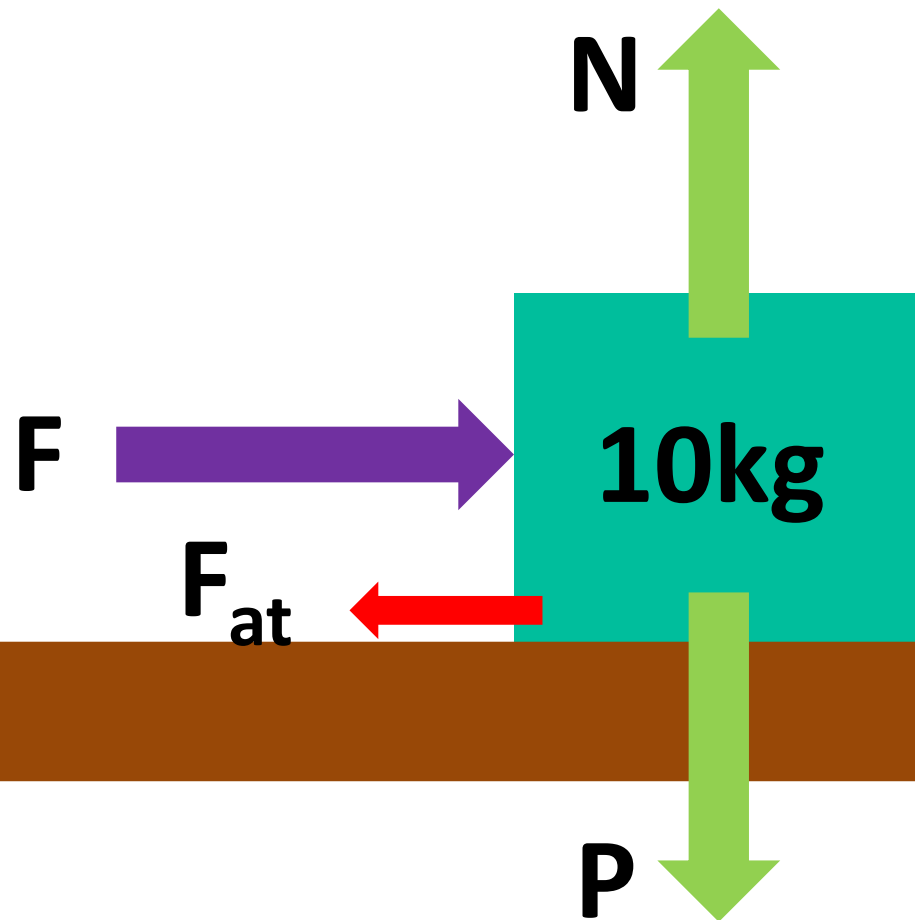
Plano inclinado

Prof. Jadoski
Física

$$F = m \cdot a$$

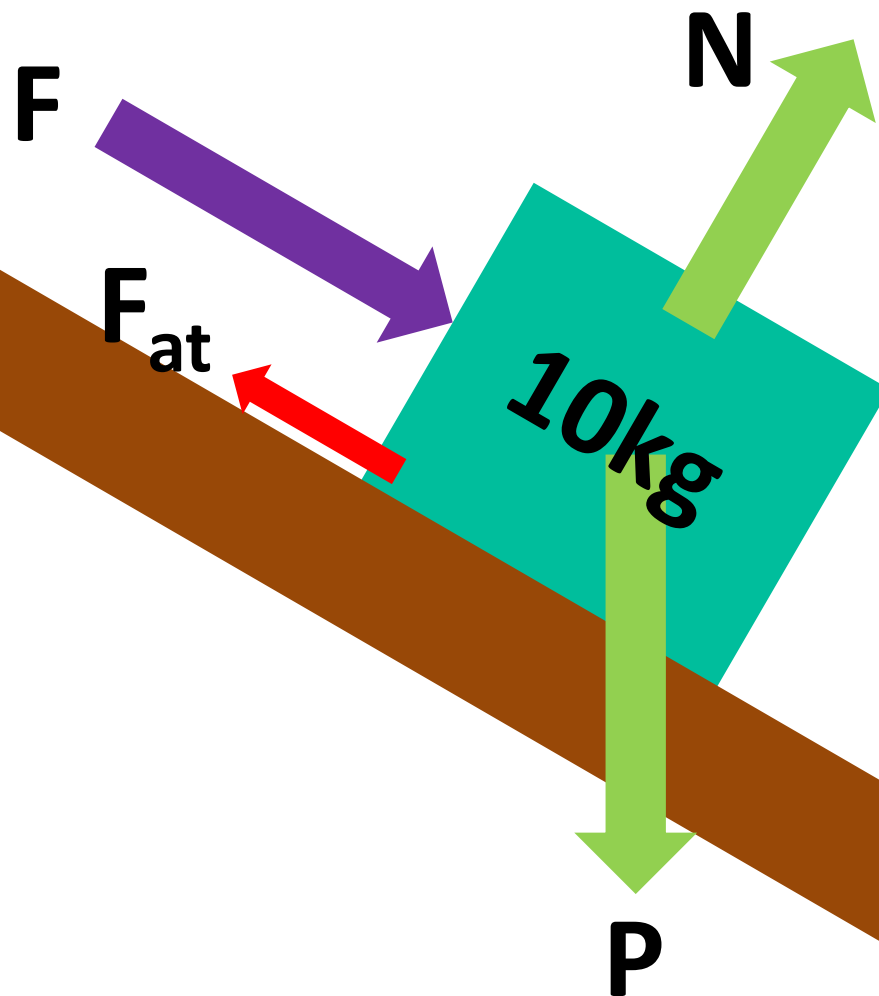
O velho bloco...

$$F = m \cdot a$$



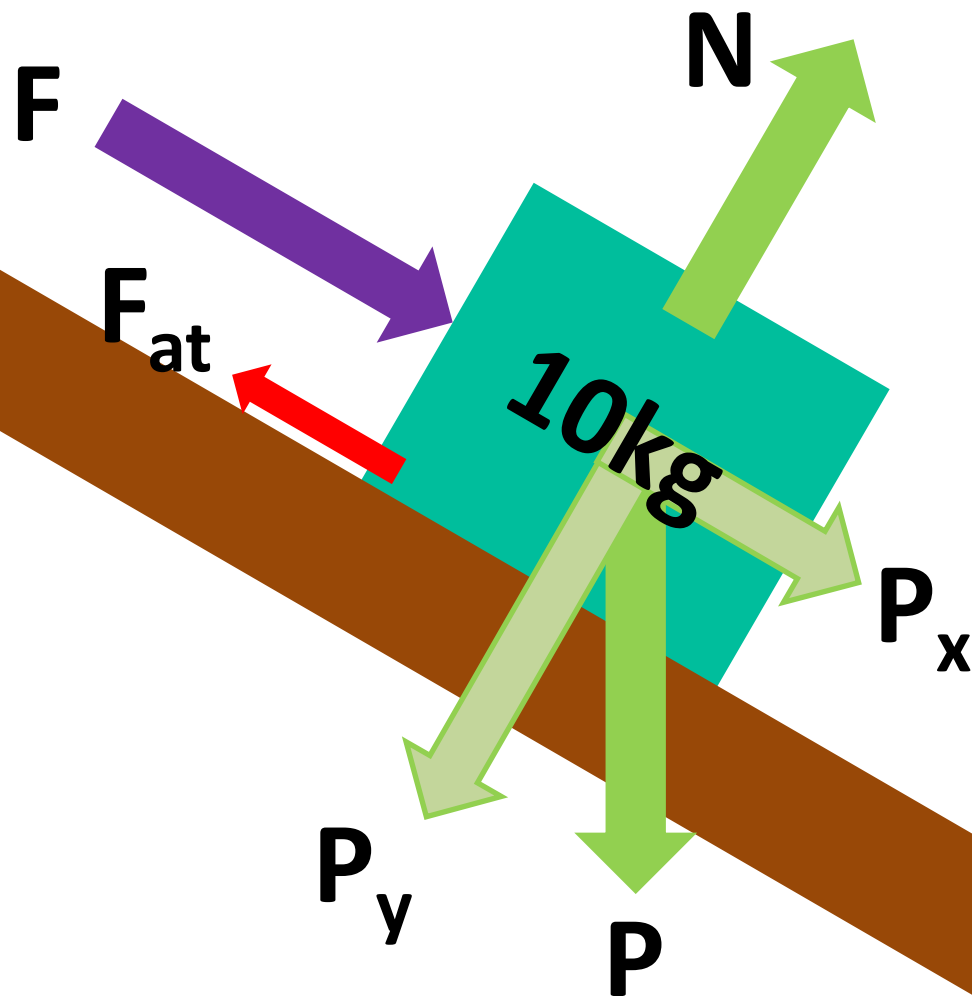
O que muda com a inclinação do plano?

$$F = m \cdot a$$



O que muda com a inclinação do plano?

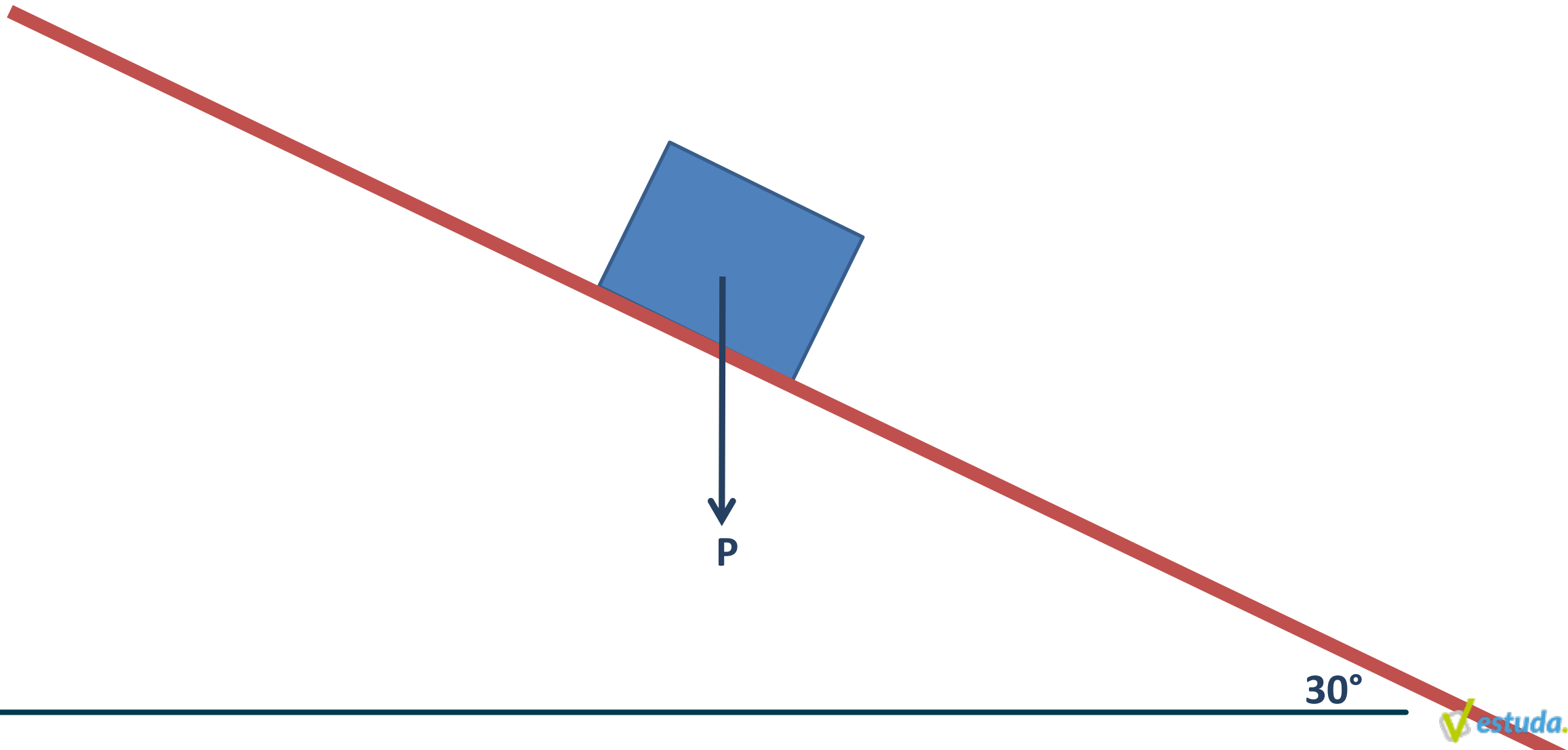
$$F = m \cdot a$$



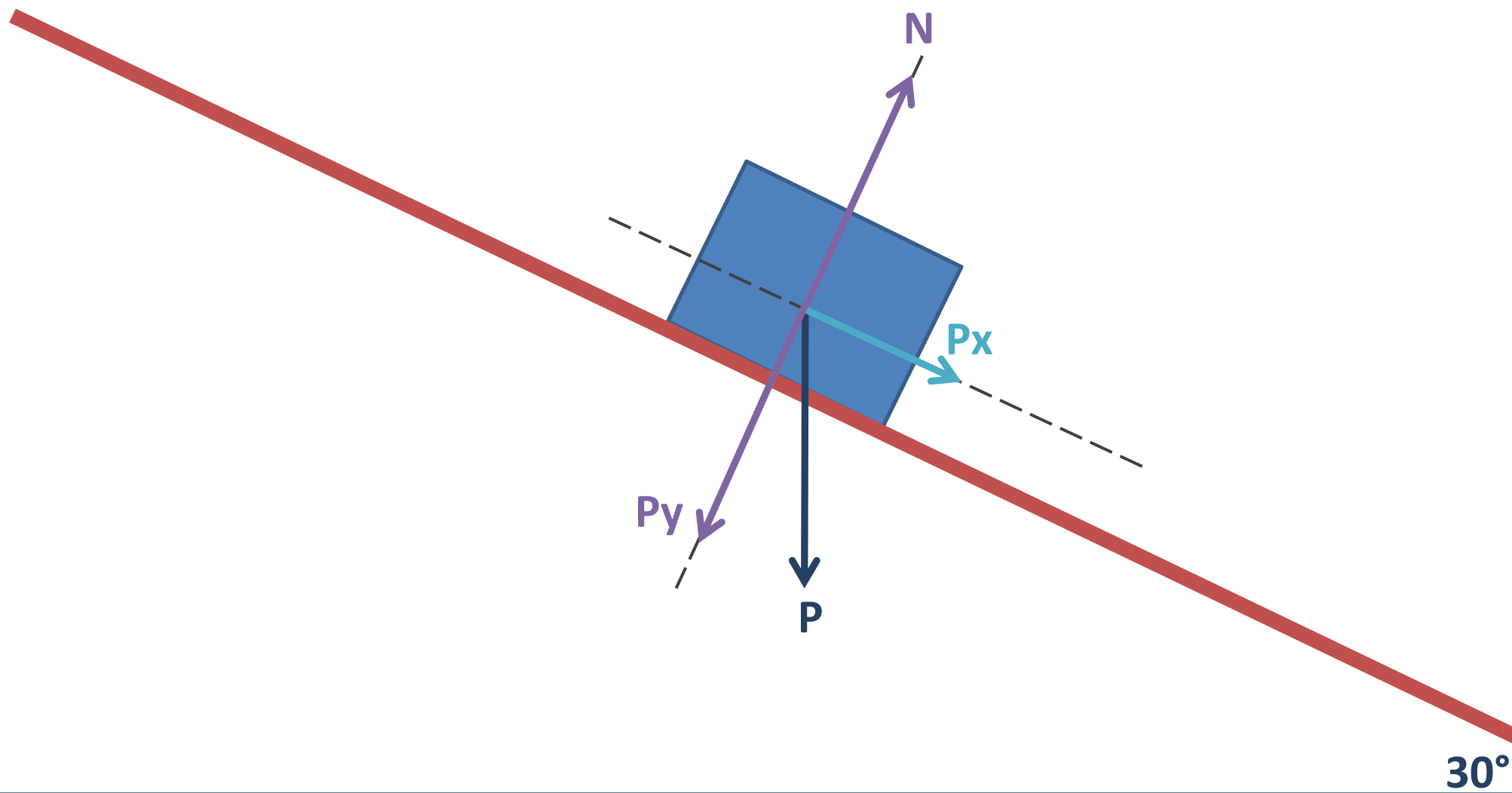
Normal e o apoio



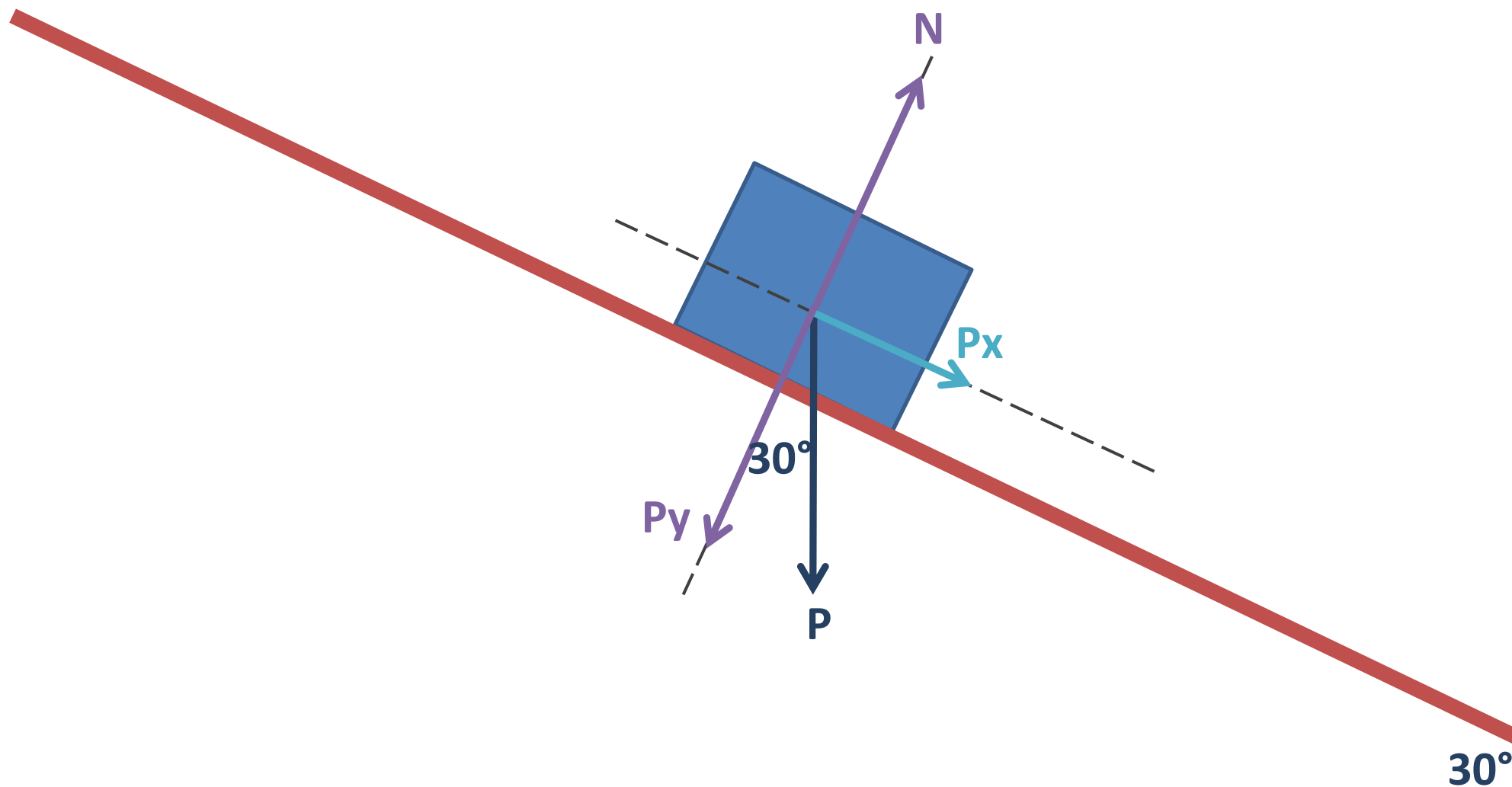
Vejamos então essa questão do peso



As componentes do peso



E um pouco de geometria...



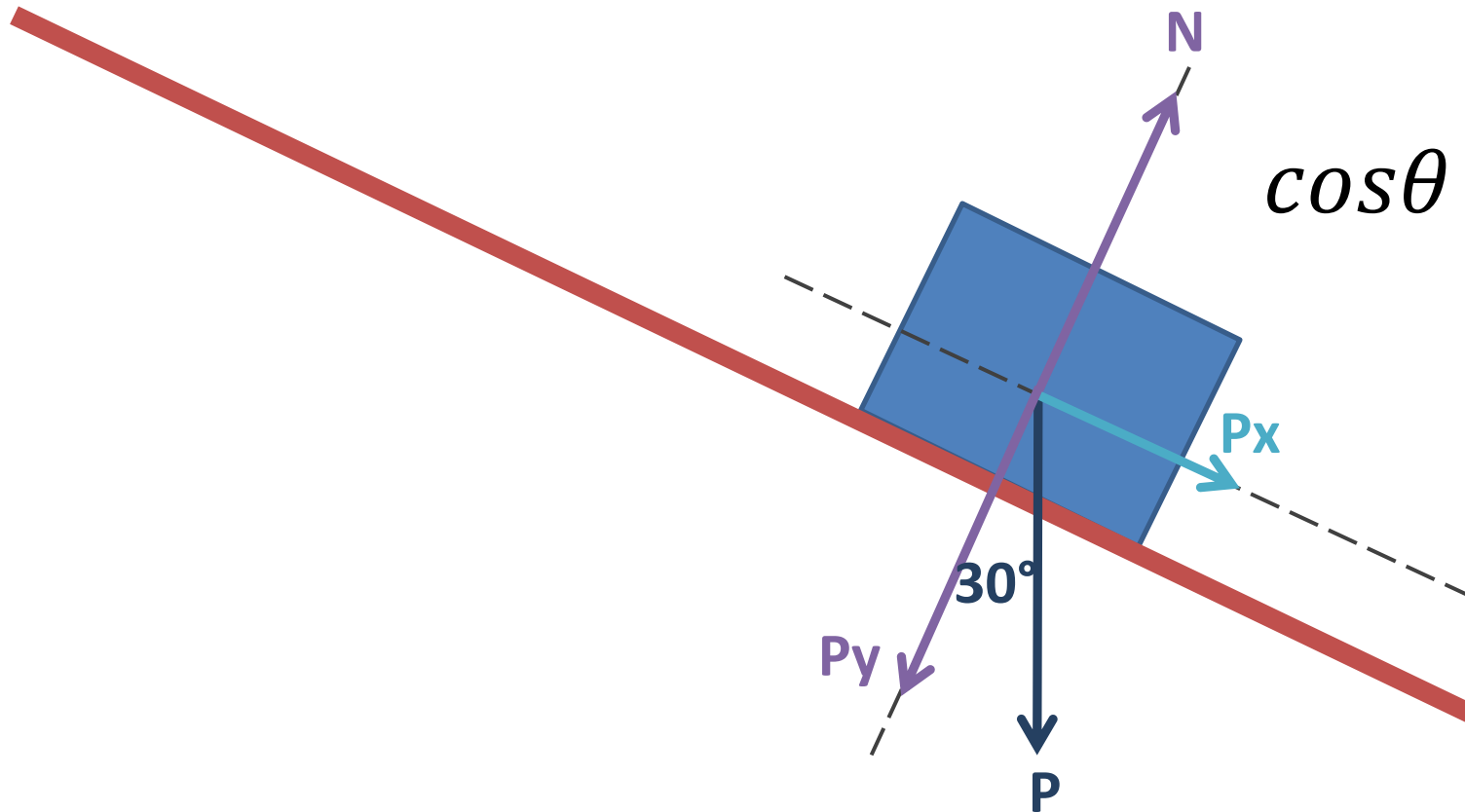
E um pouco de geometria...

$$\text{sen}\theta = \frac{co}{h}$$

$$\text{sen}30 = \frac{Px}{P}$$

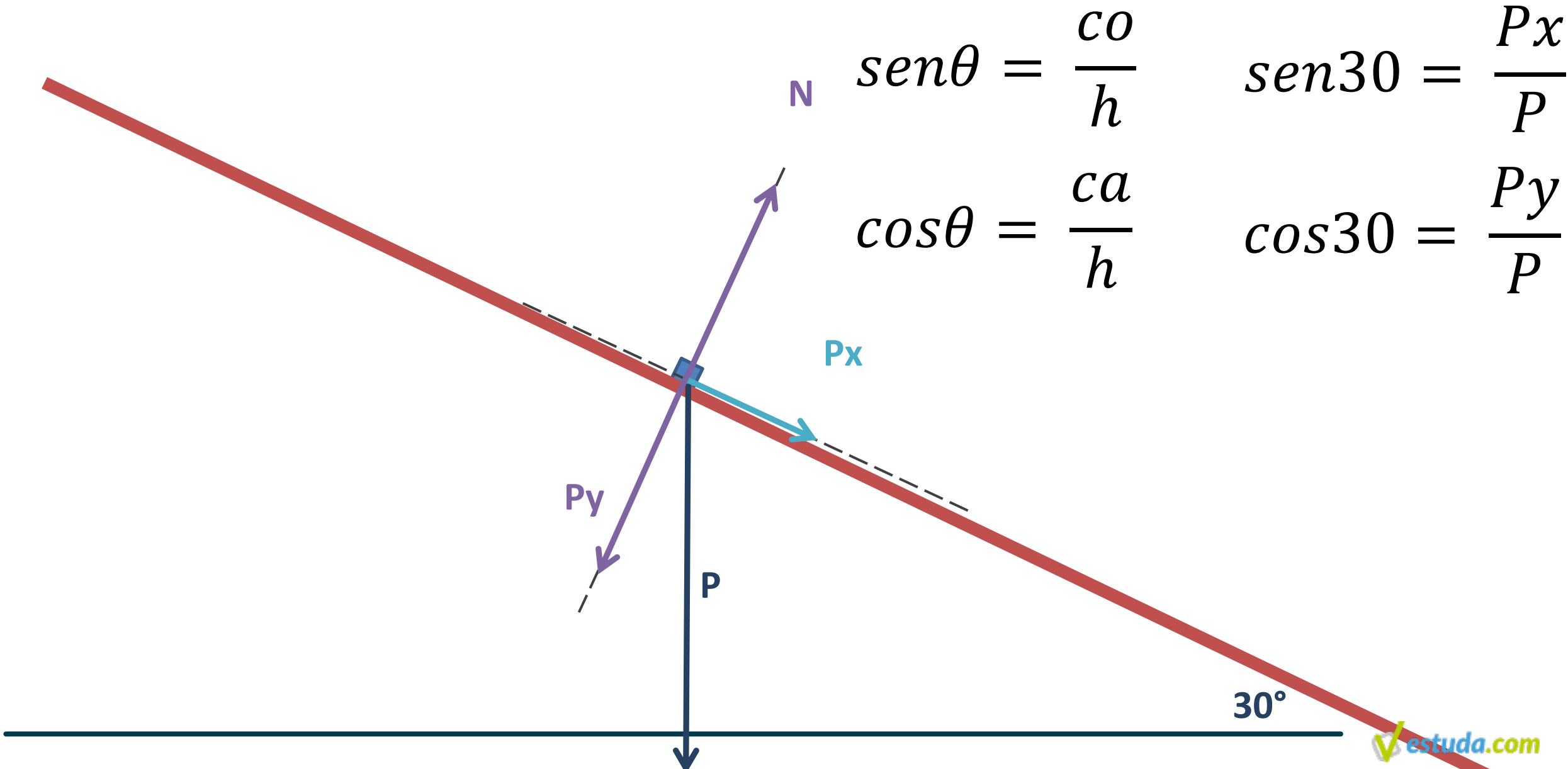
$$\text{cos}\theta = \frac{ca}{h}$$

$$\text{cos}30 = \frac{Py}{P}$$

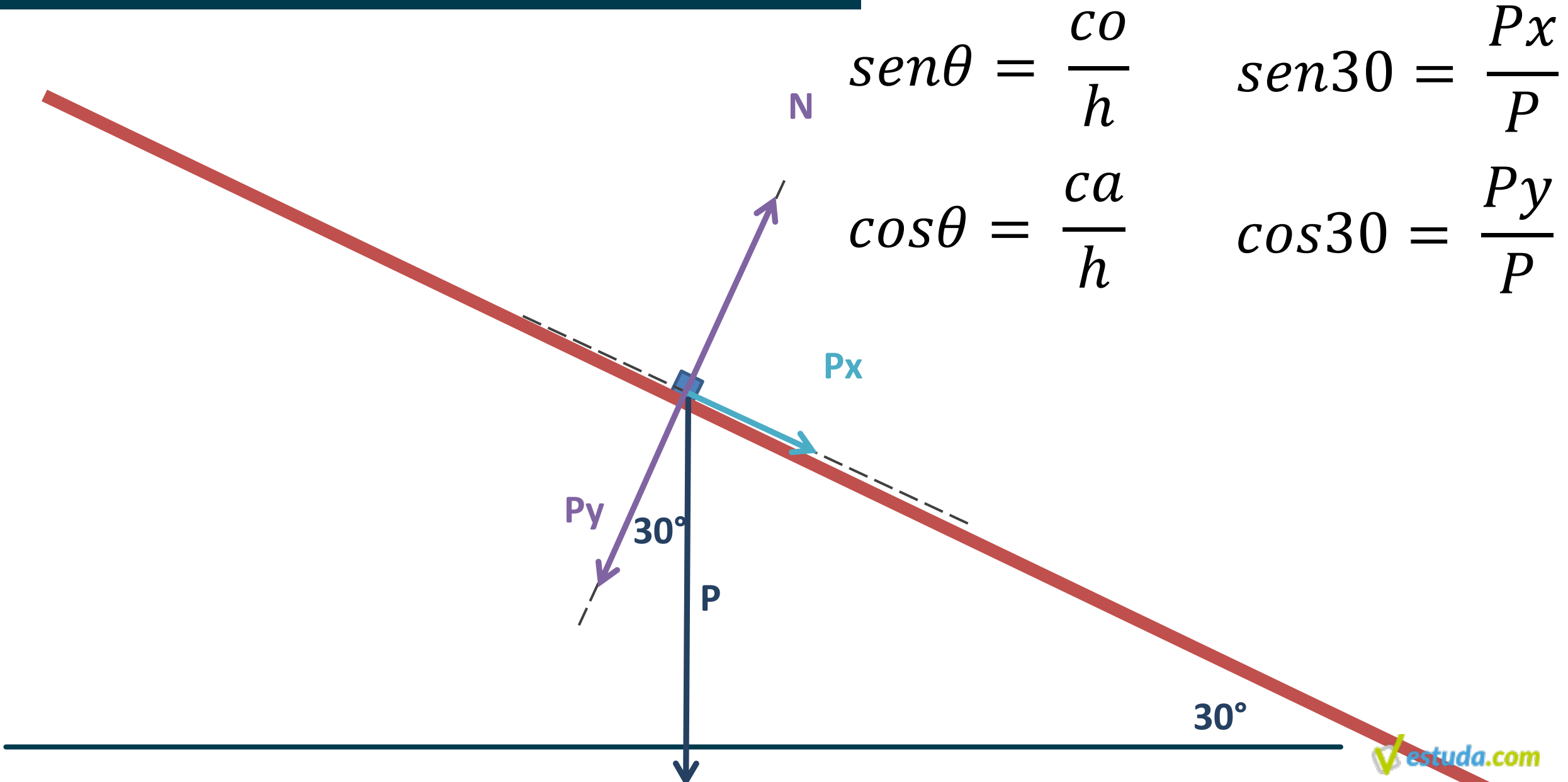


30°

Enxergando melhor...



Enxergando melhor...



Plano inclinado

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