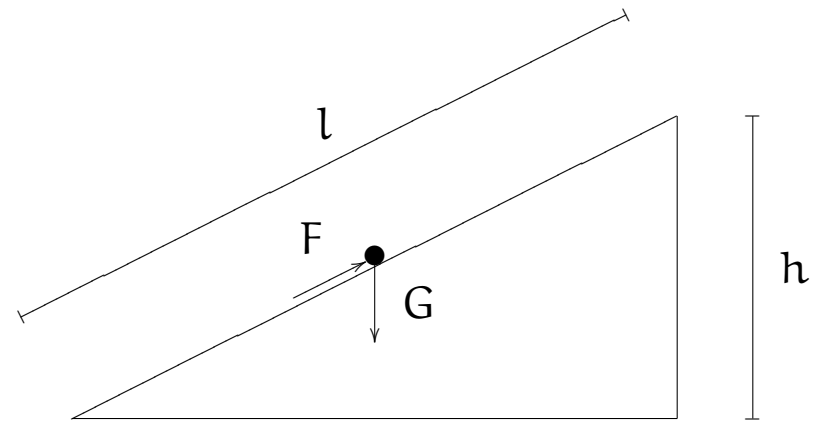


Materiale ad esclusivo uso degli studenti del corso di
Tecnica delle Costruzioni Meccaniche
<http://www.mecc.polimi.it/~miccoli/TCM/>
tenuto presso il Politecnico di Milano, III Facoltà di
Architettura-Design.

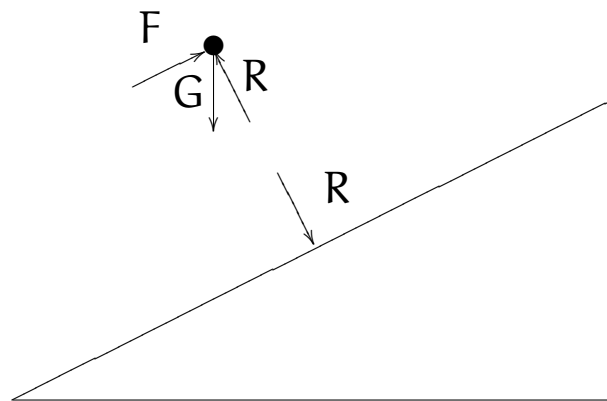
Anno Accademico 2003/2004, versione del 21 ottobre 2003

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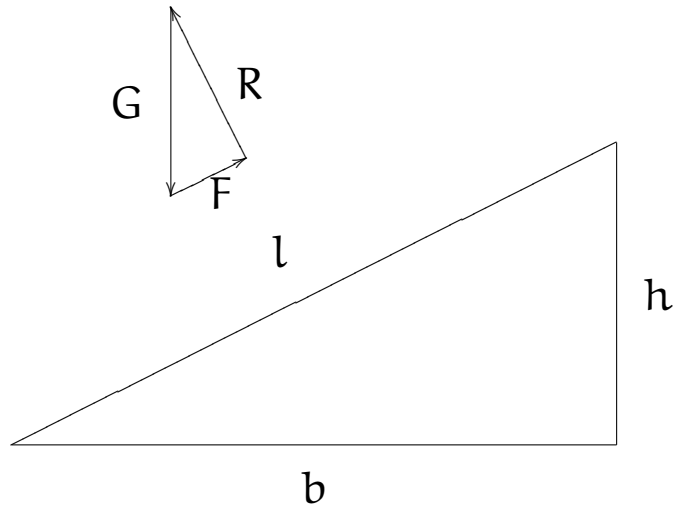
Piano inclinato



$$F : G = h : l$$



$$\vec{F} + \vec{G} + \vec{R} = \vec{0}$$



$$R \perp l, G \perp b \quad \Rightarrow \quad \angle GR = \angle lb \quad \Rightarrow \quad \triangle GFR \sim \triangle lhb \quad \Rightarrow \quad \boxed{F : G = h : l}$$

Pulegge

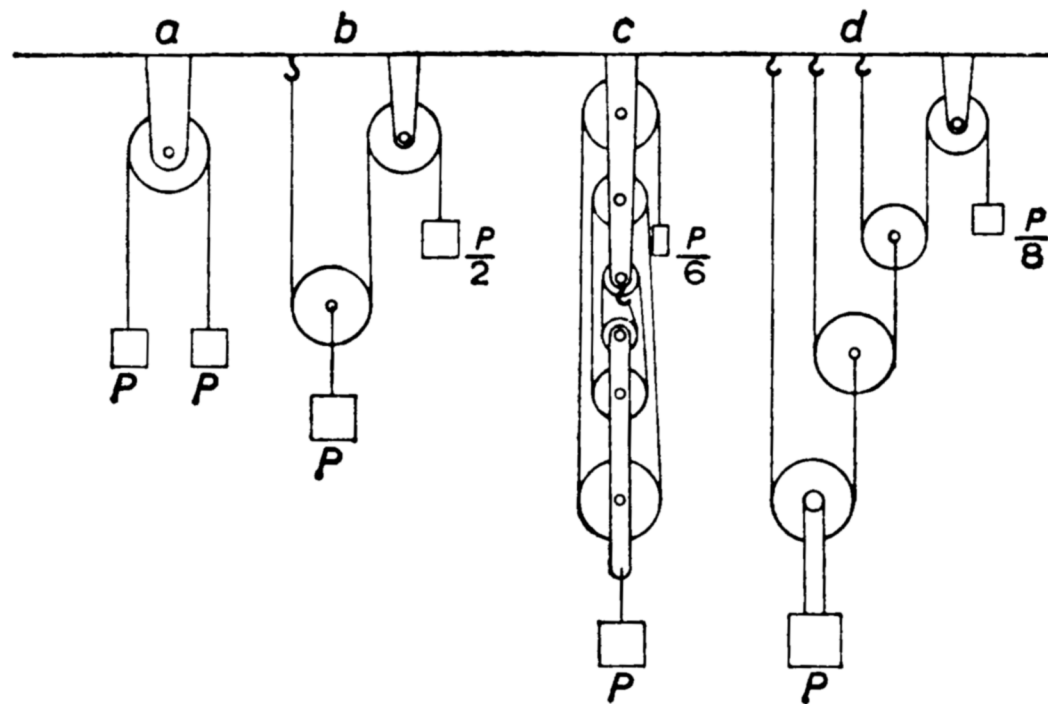
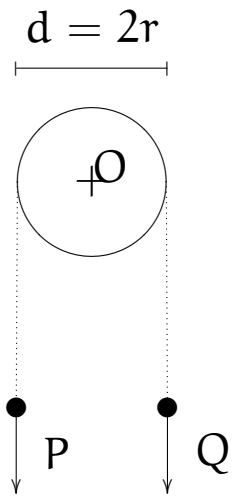


Figura 39

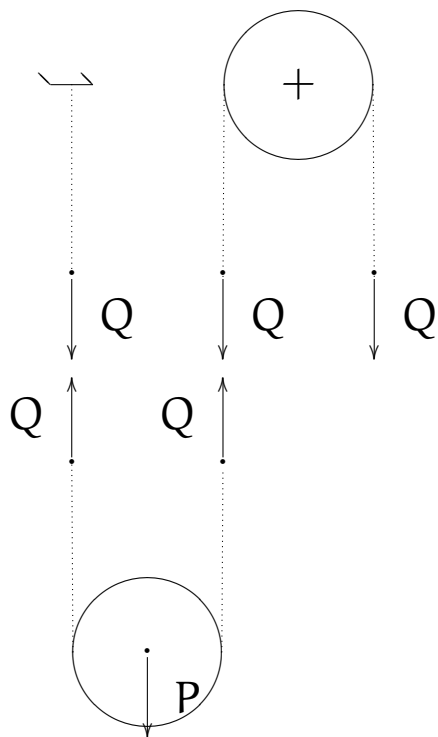
Carrucola semplice



$$\sum M_O = 0 \quad \Rightarrow \quad P \cdot r - Q \cdot r = 0 \quad \Rightarrow$$

$$P = Q$$

Carrucola doppia



$$2Q - P = 0$$

$\Rightarrow$

$$Q = \frac{P}{2}$$