

Mecânica dos Sólidos

Cisalhamento transversal

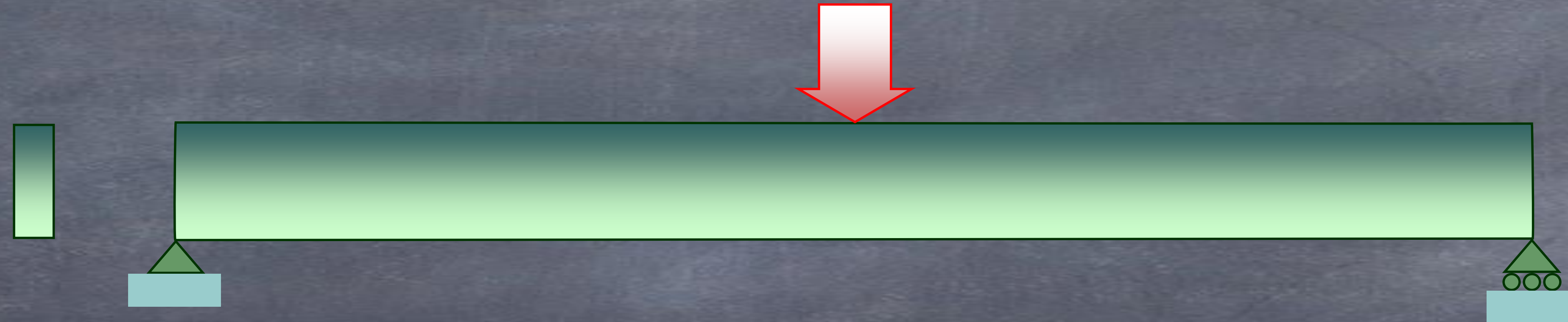
Cisalhamento de elementos retos

Cisalhamento transversal

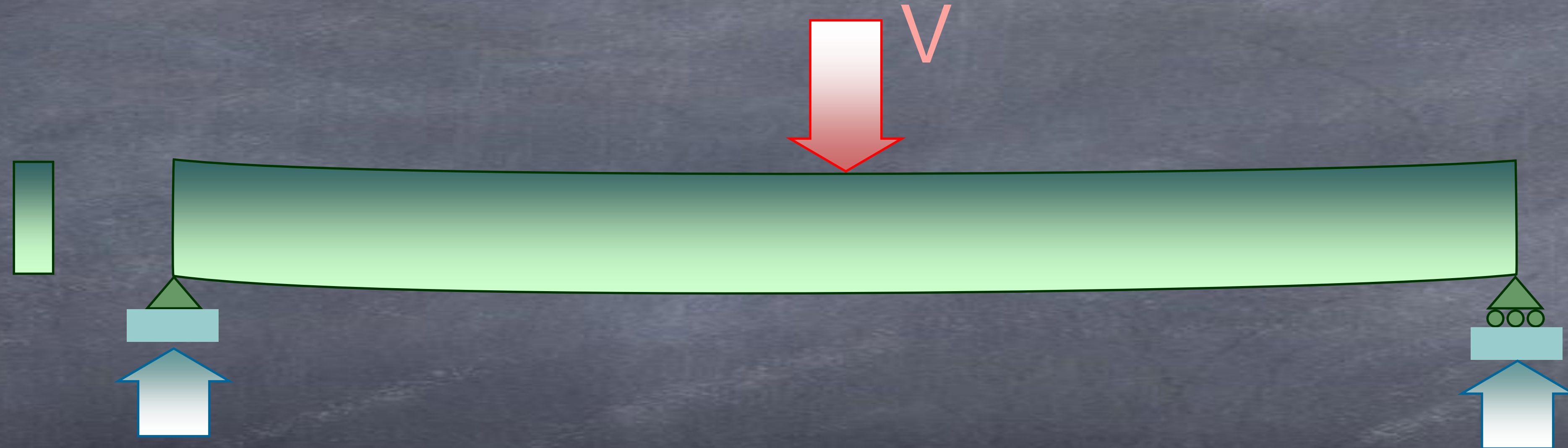
Cisalhamento de elementos retos



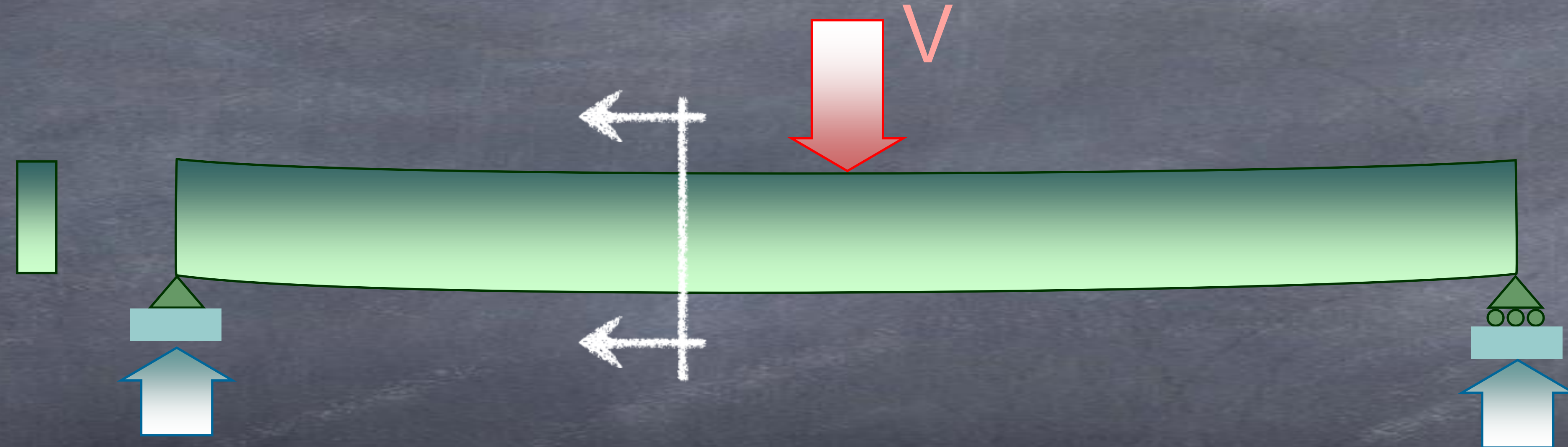
Cisalhamento de elementos retos



Cisalhamento de elementos retos

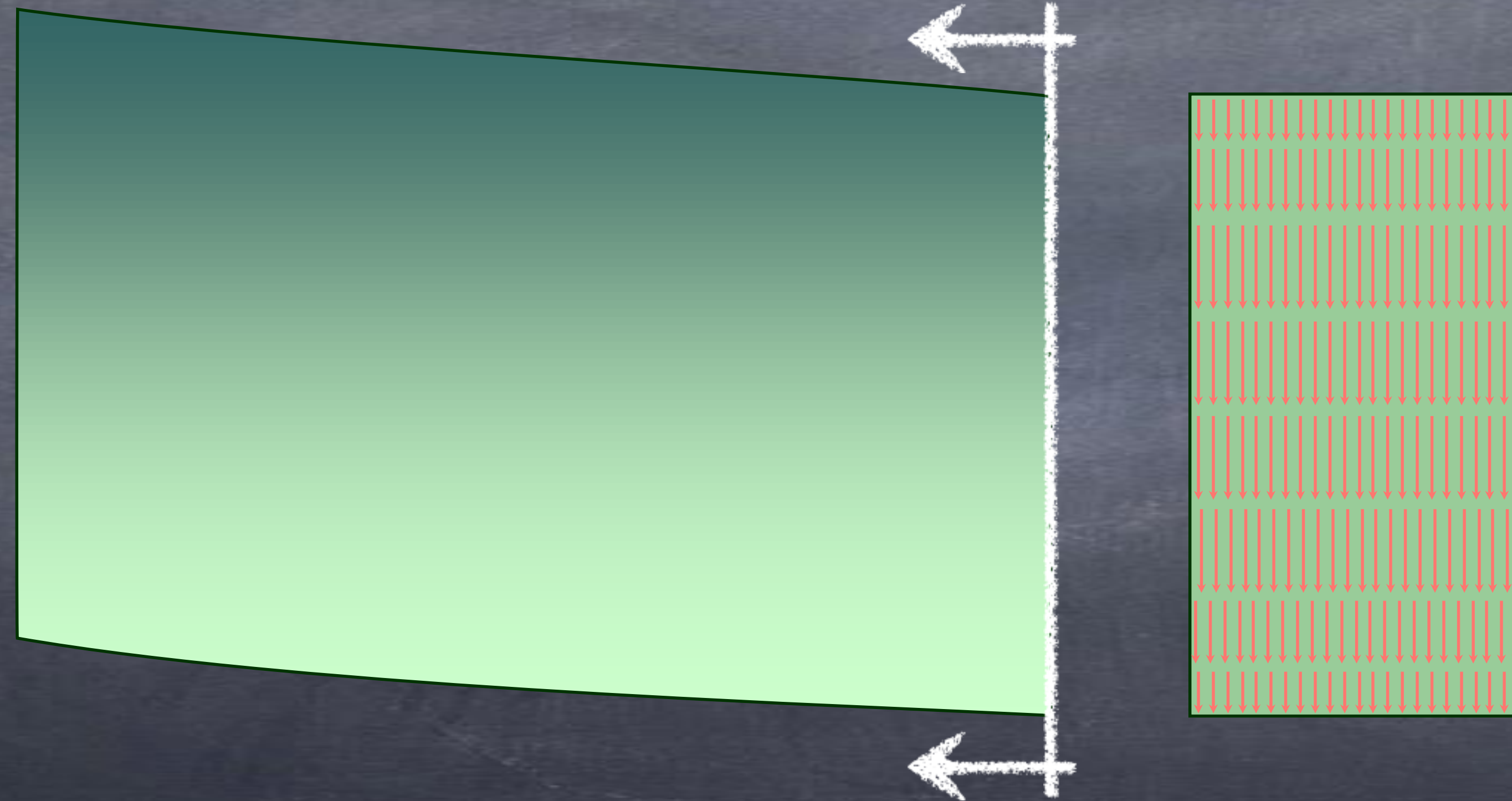


Cisalhamento de elementos retos

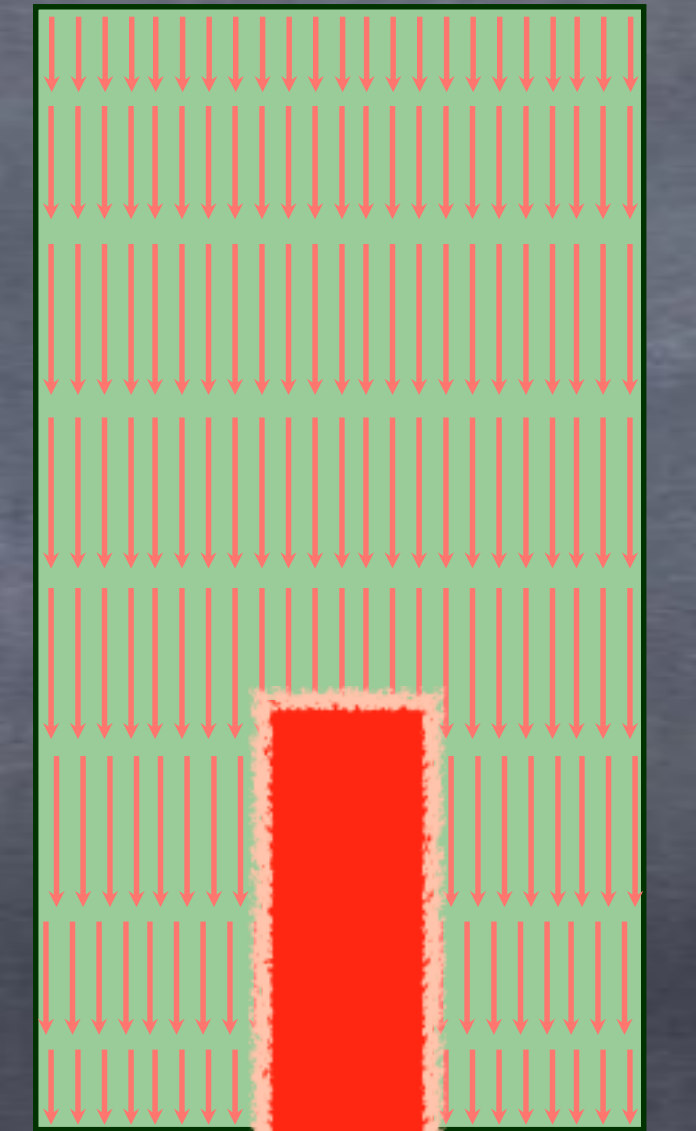
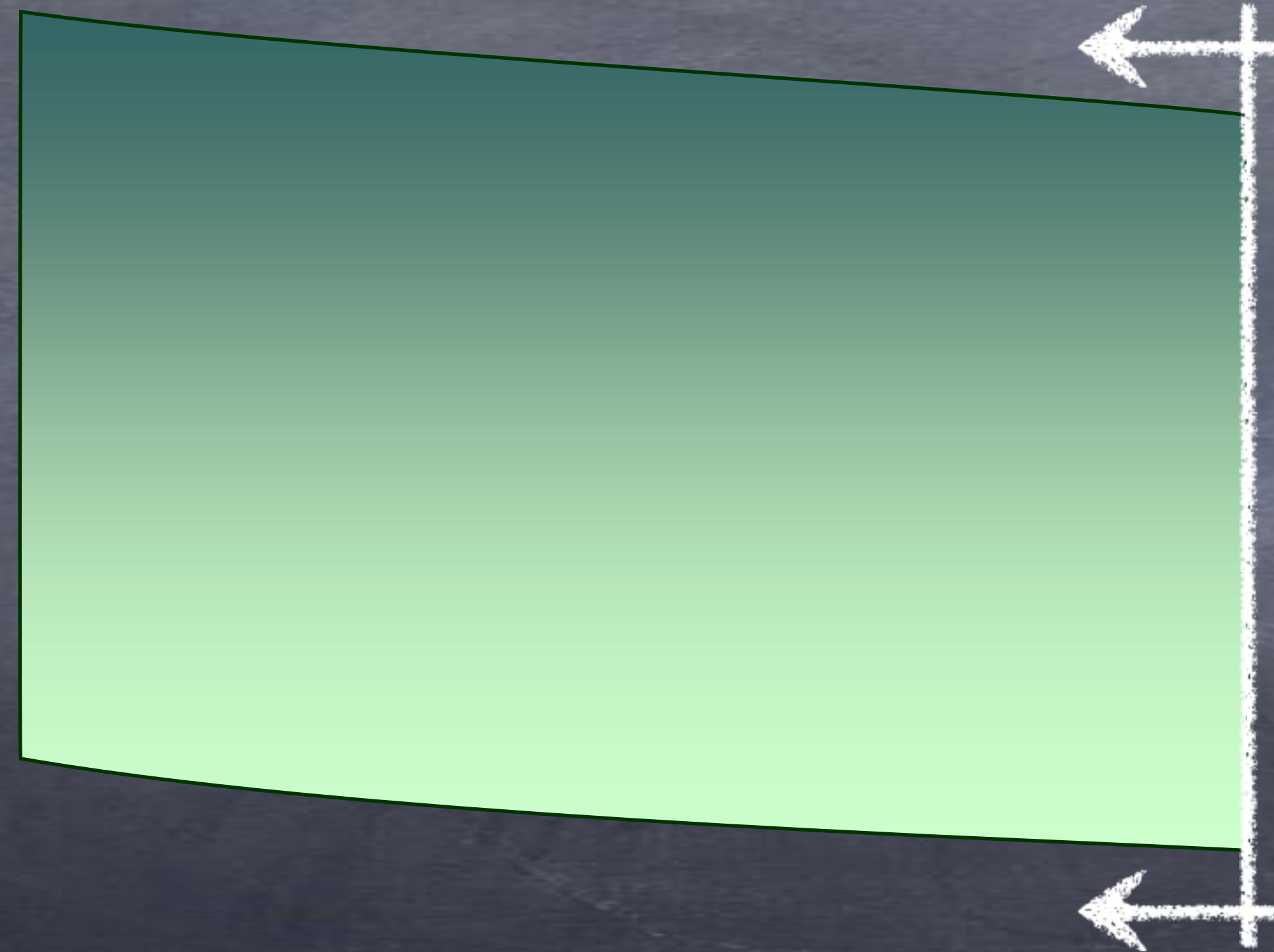


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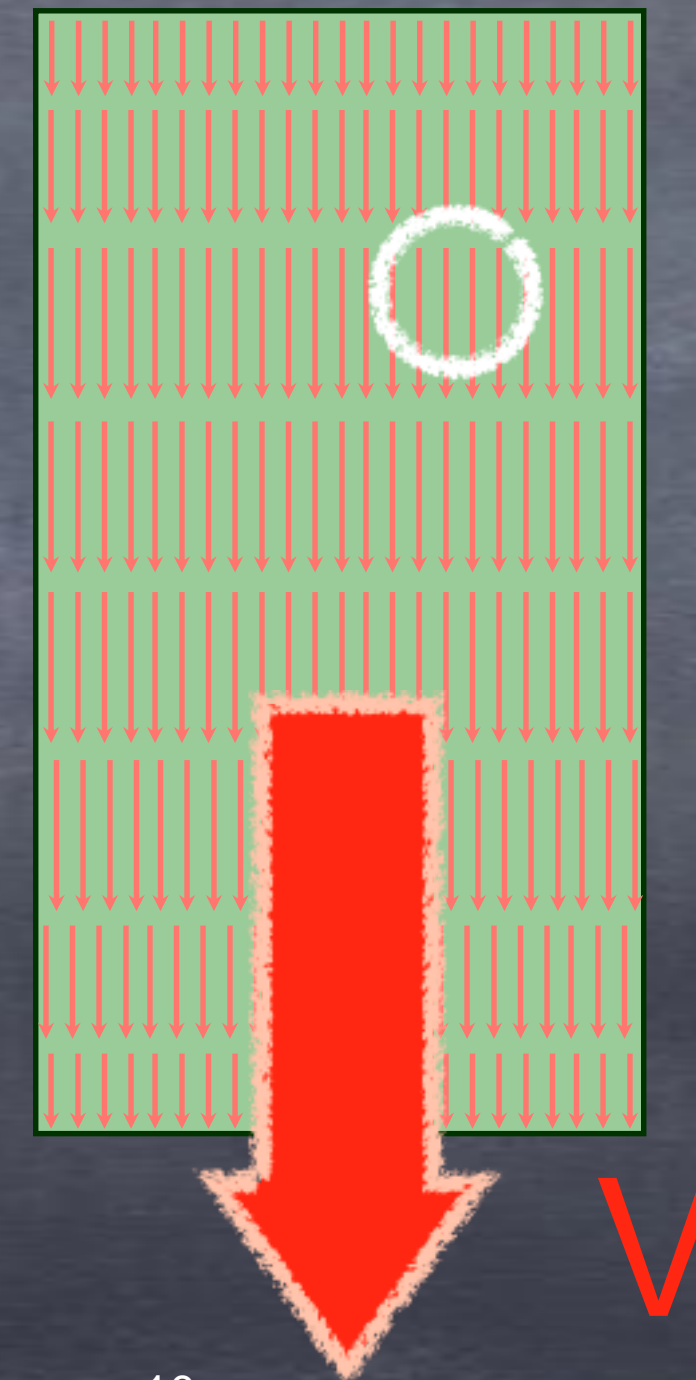
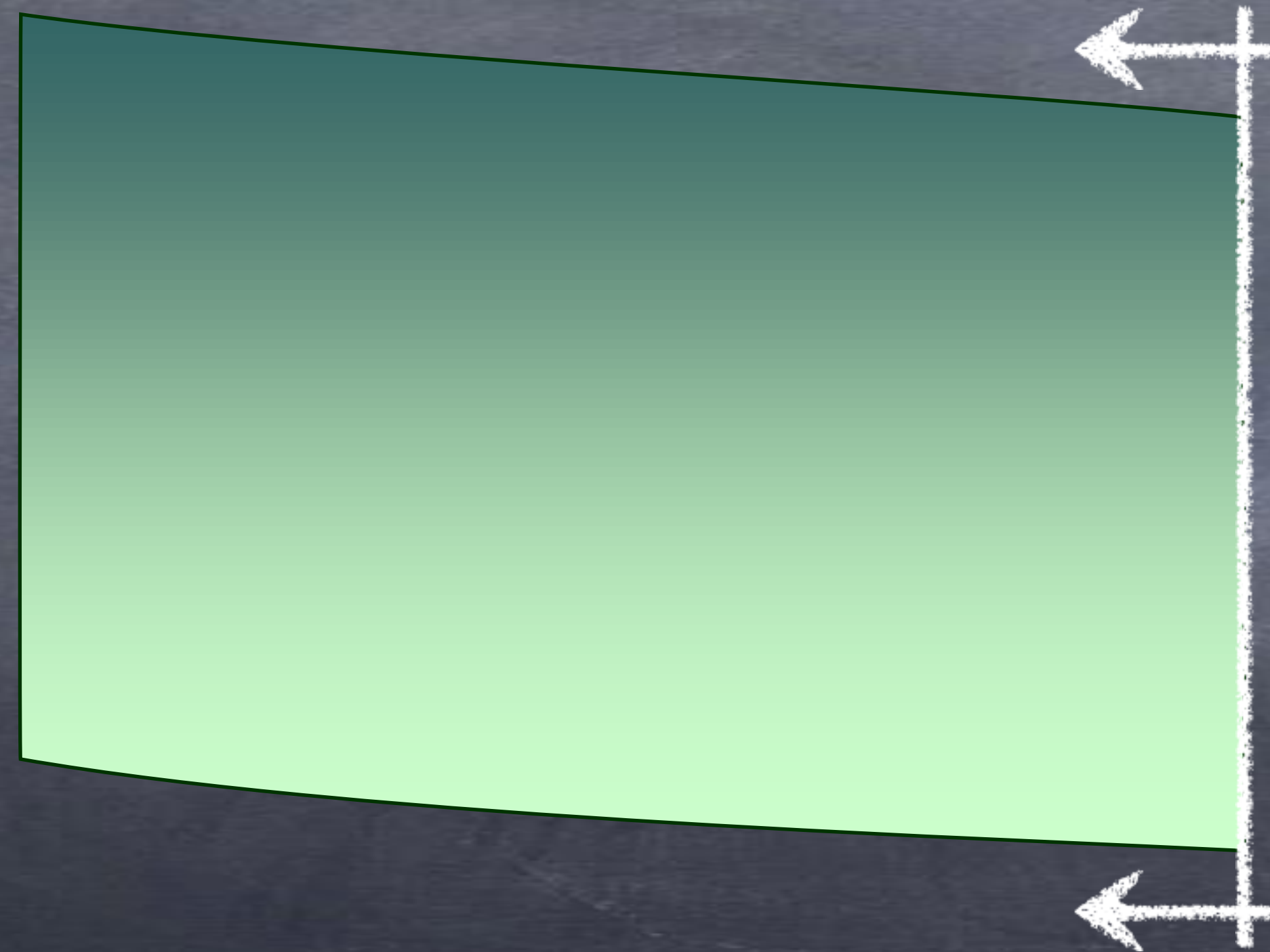
Cisalhamento de elementos retos



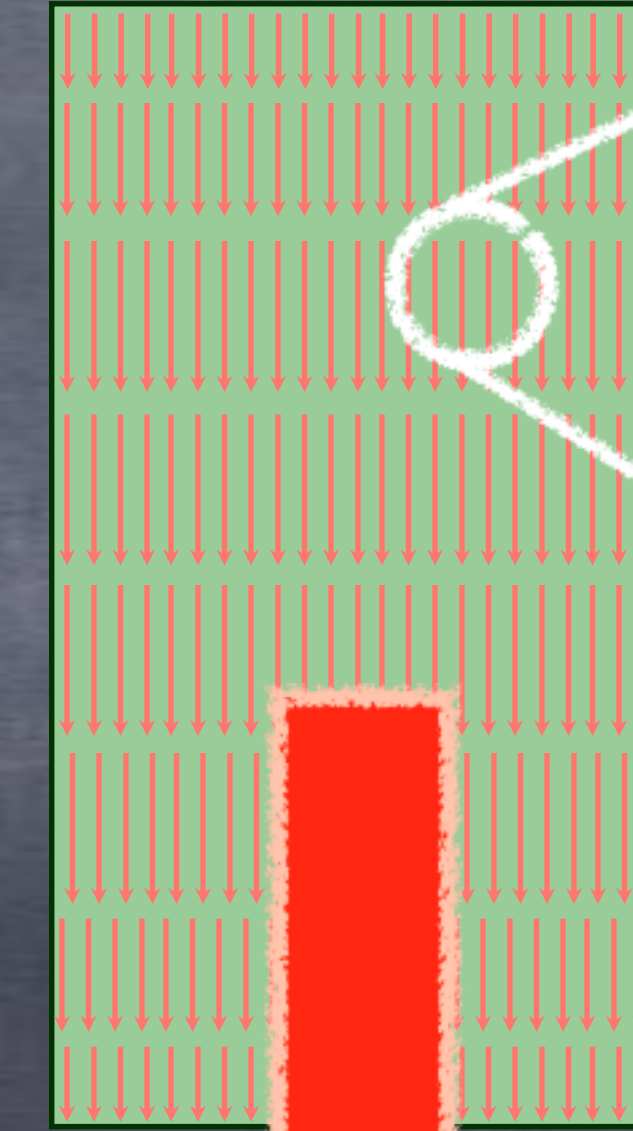
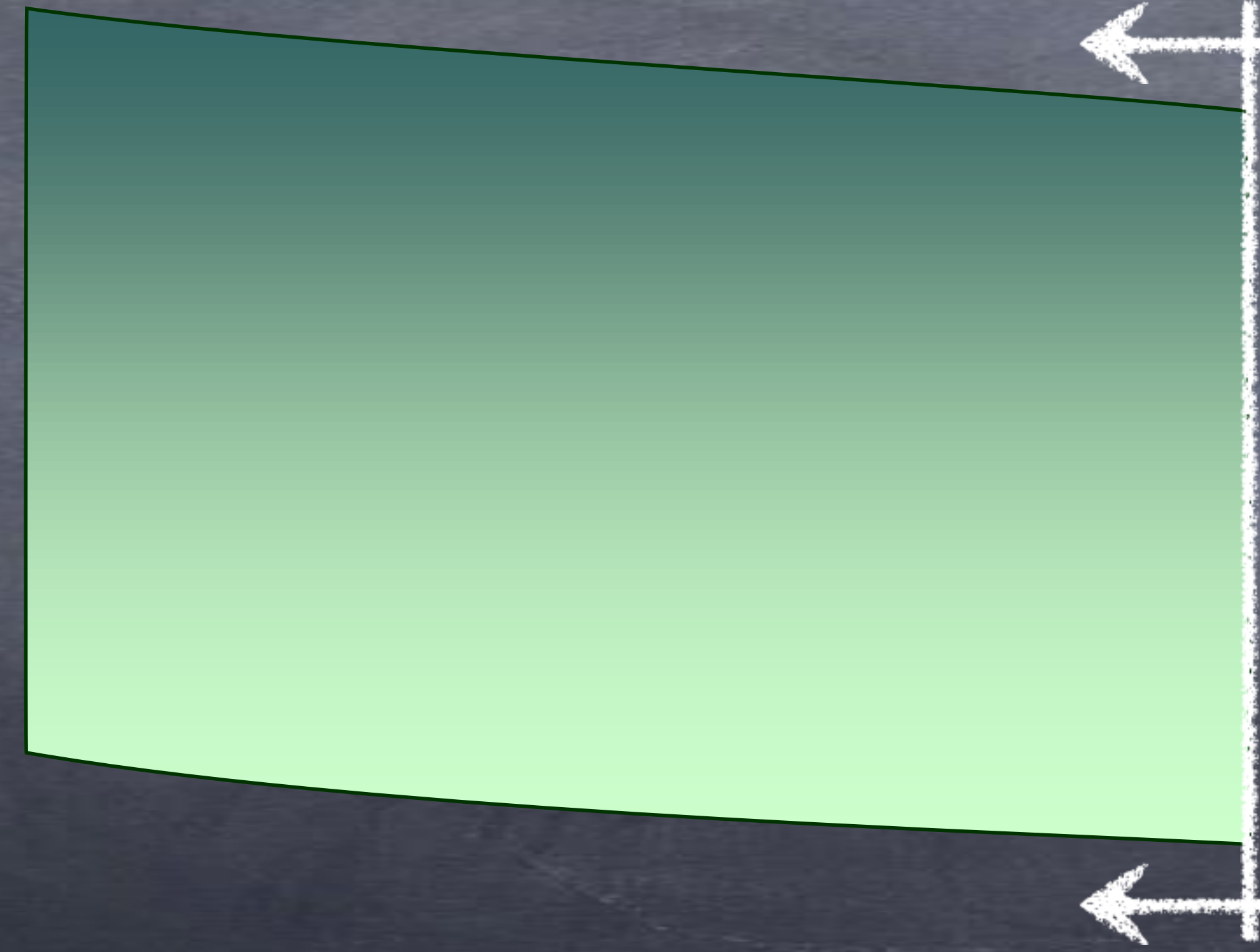
V

Cisalhamento transversal

Cisalhamento de elementos retos

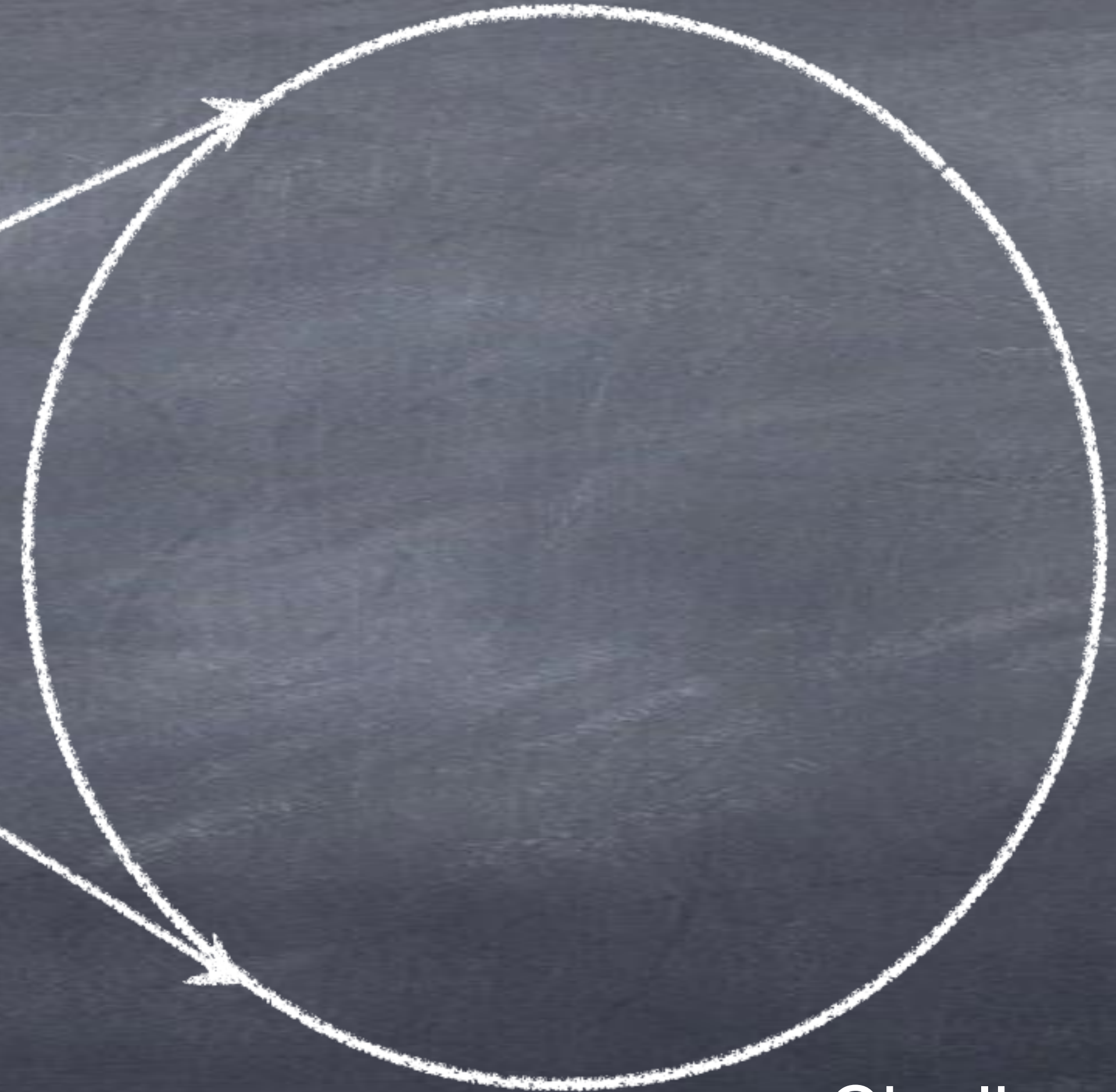


Cisalhamento de elementos retos



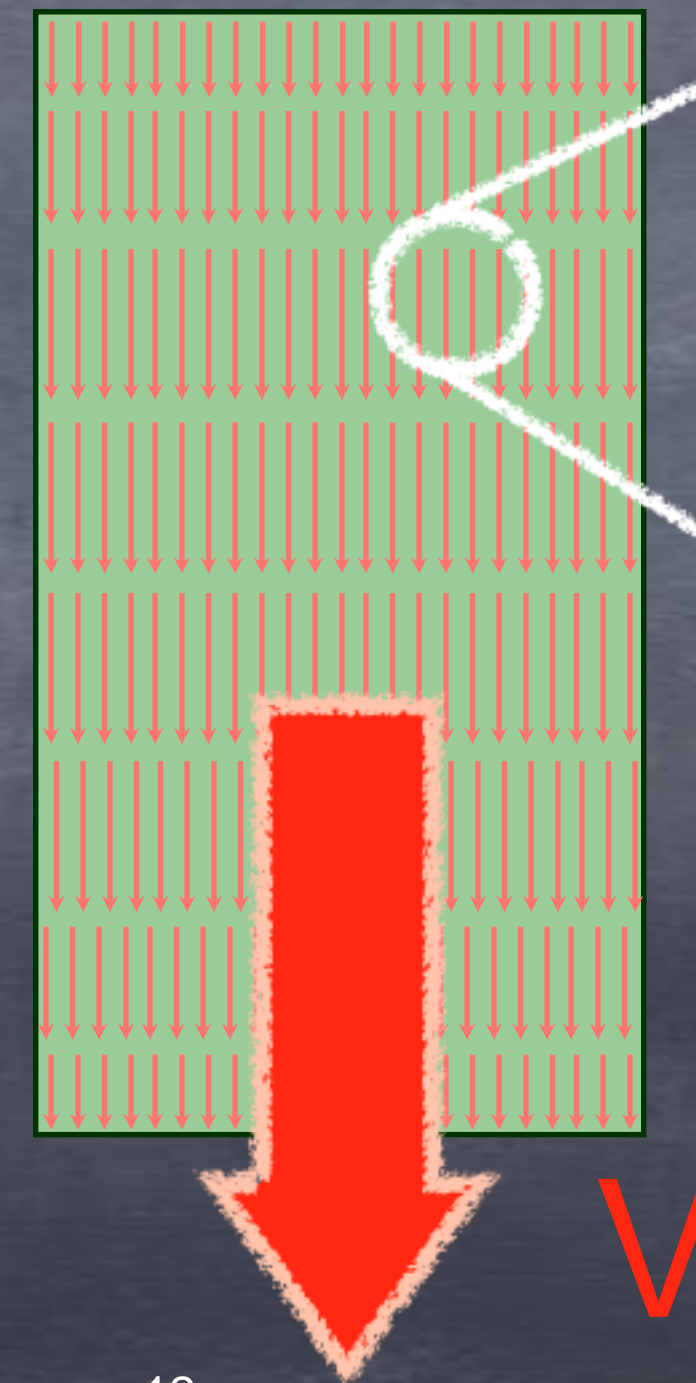
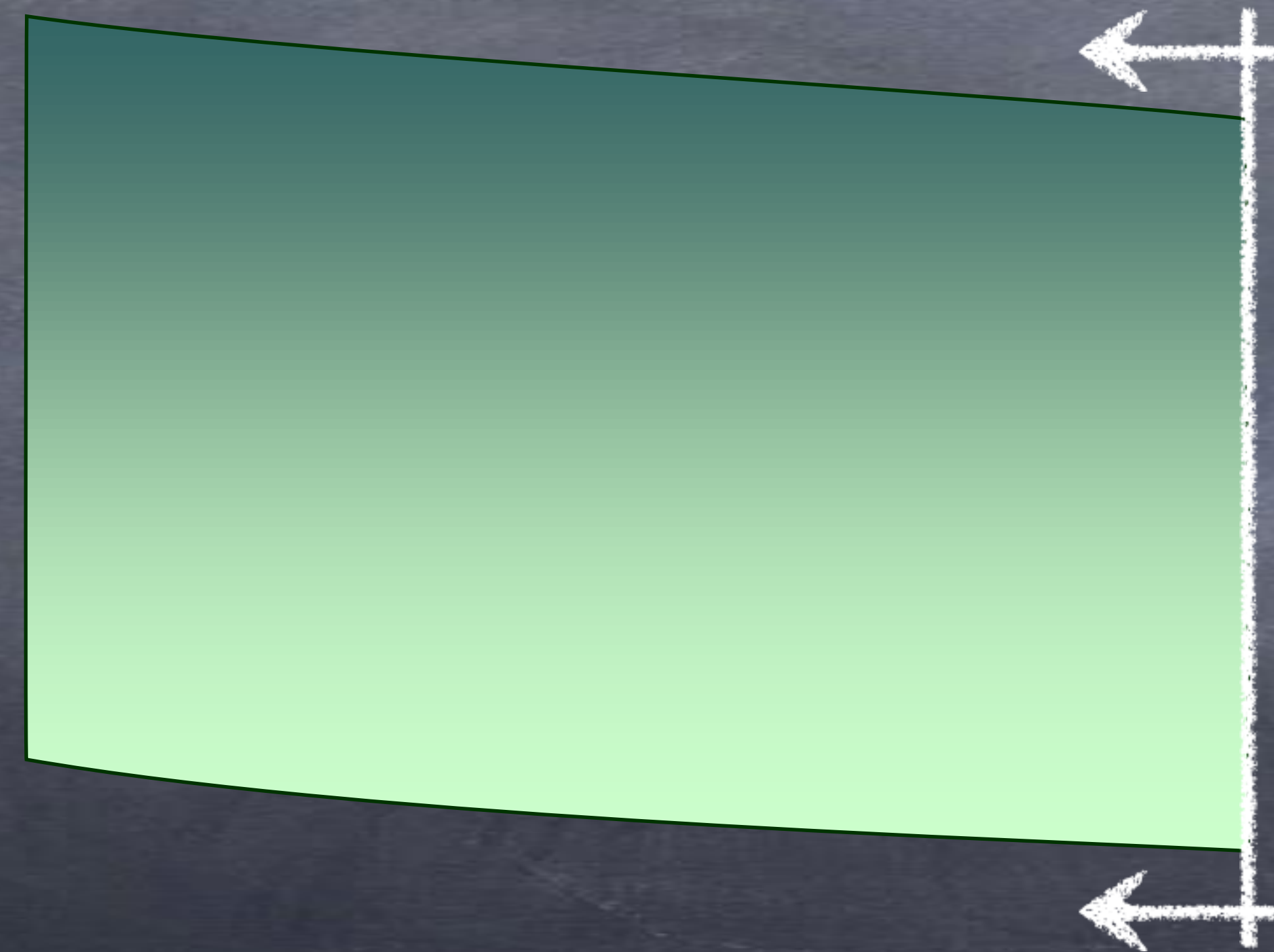
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V

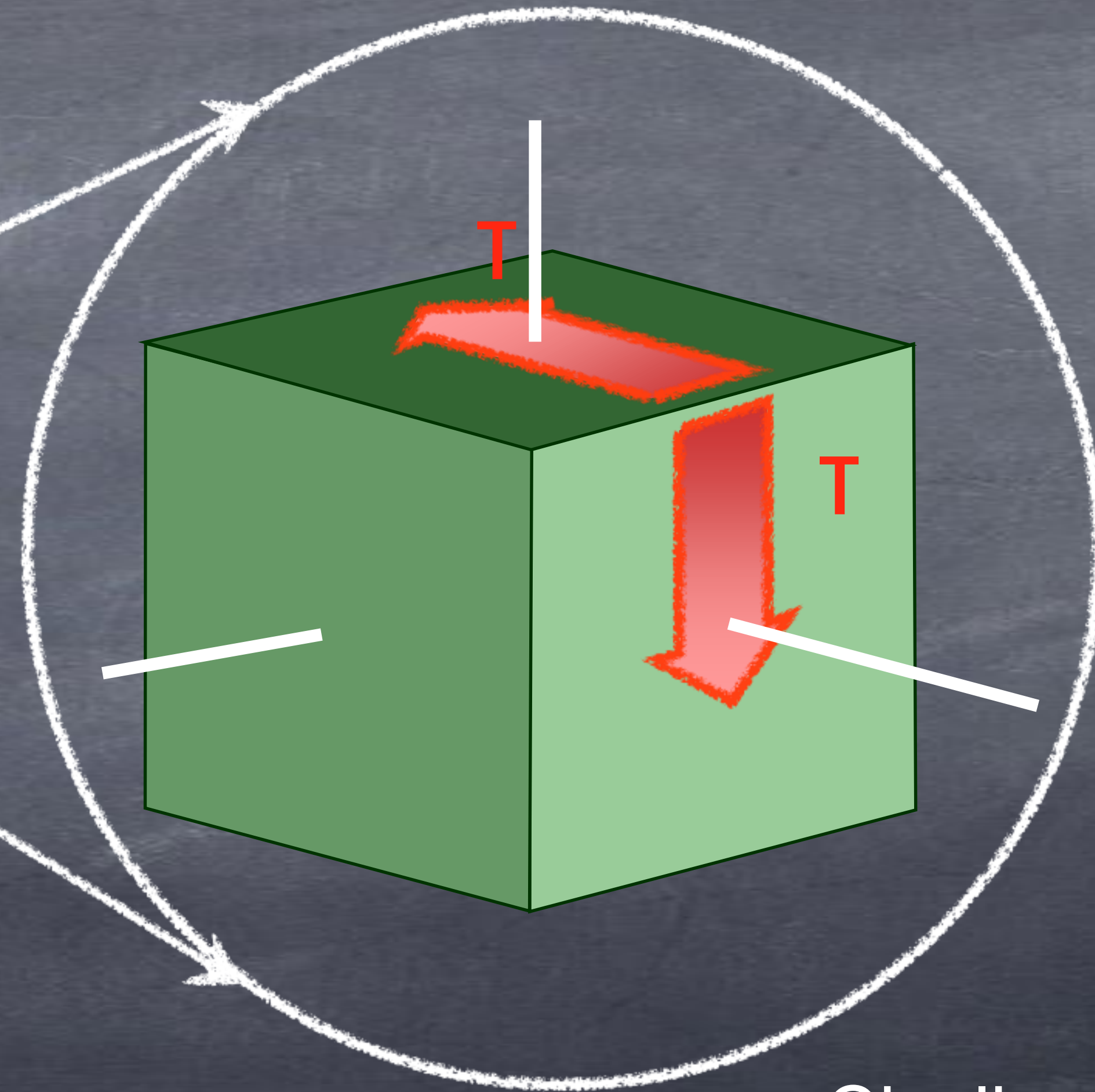


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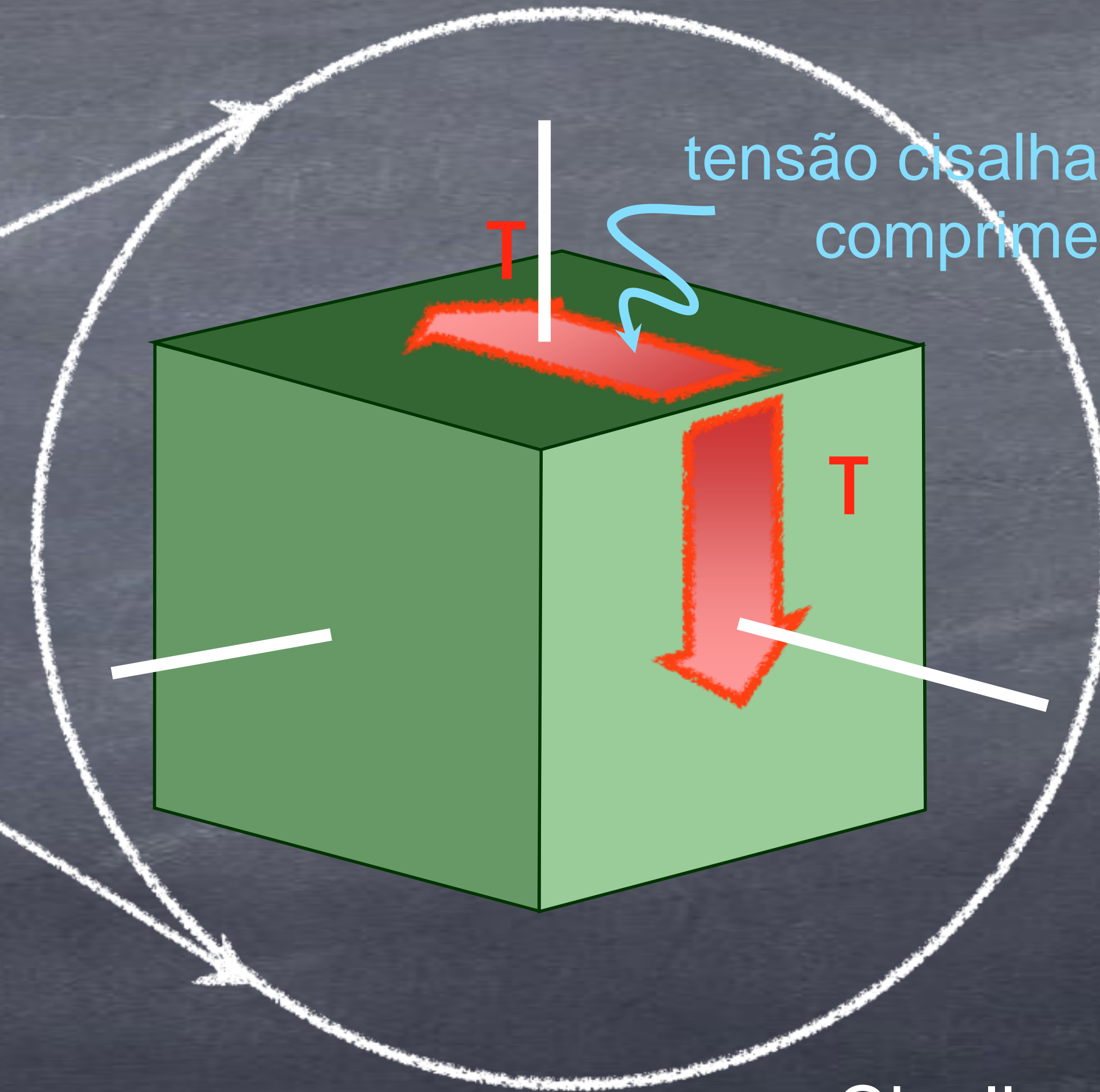
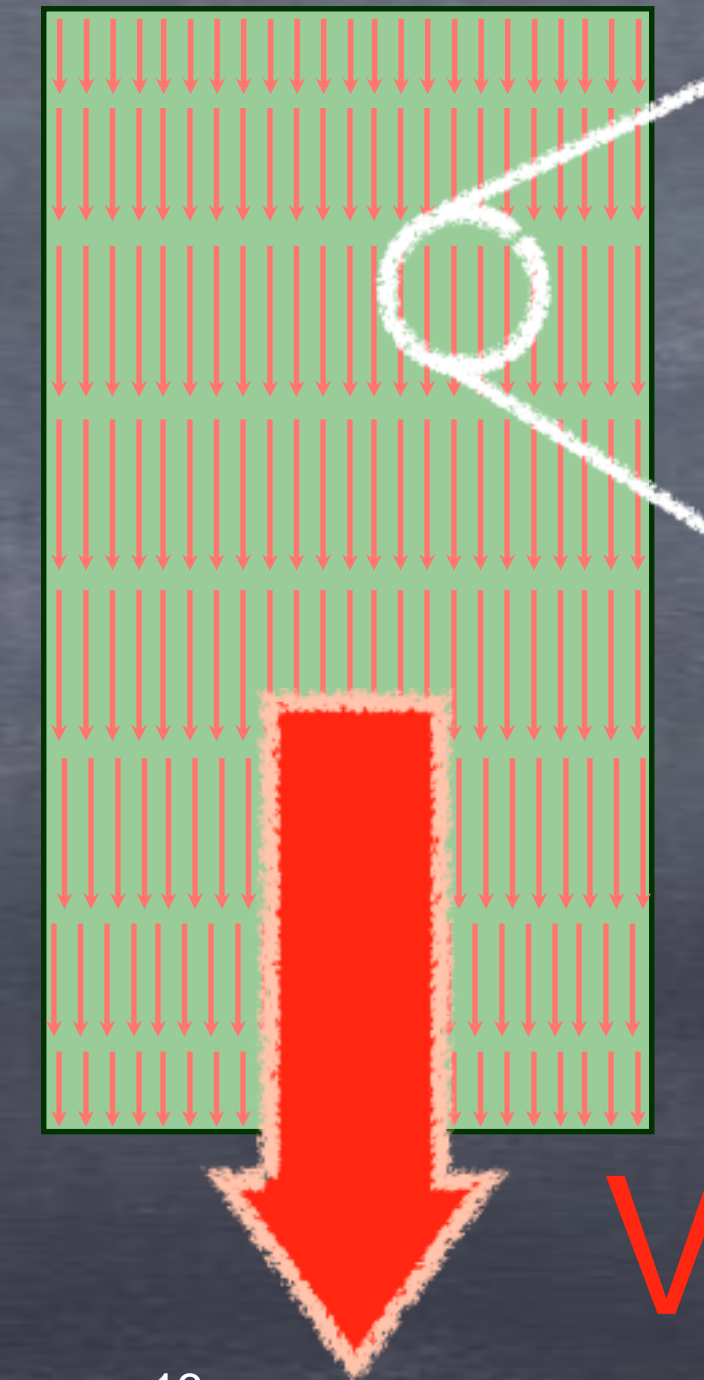
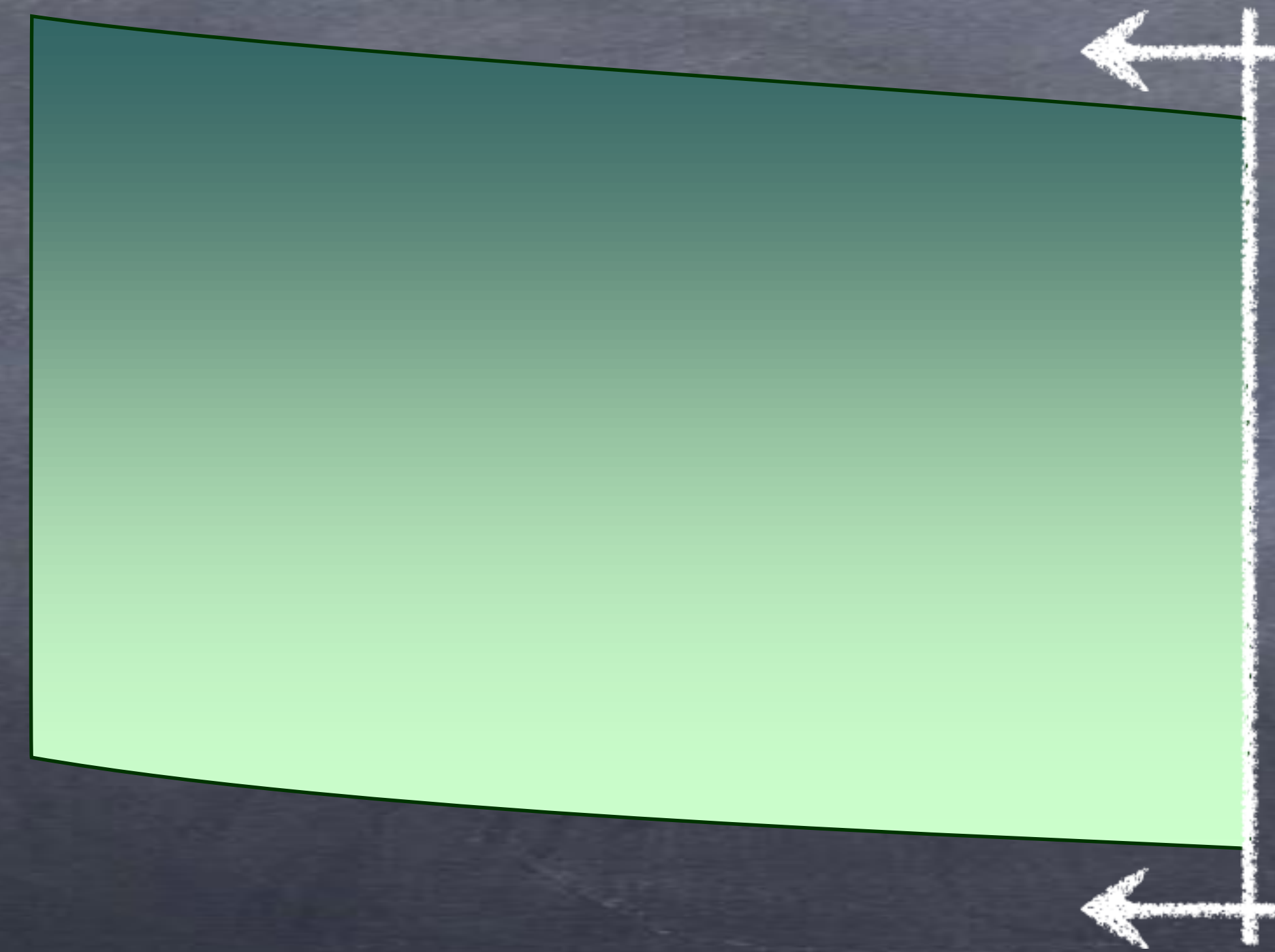


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Cisalhamento transversal

Cisalhamento de elementos retos

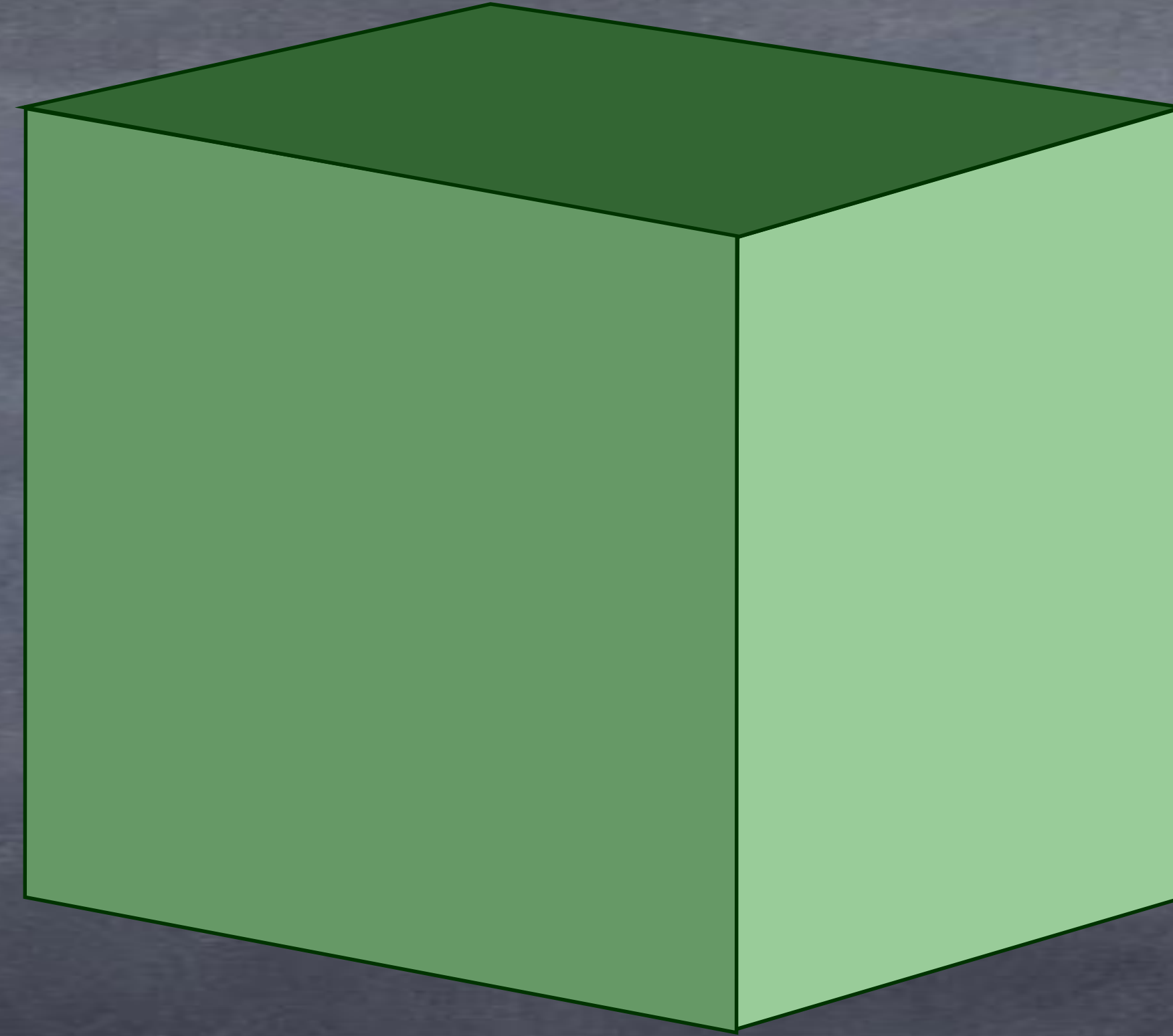


tensão cisalhante ao longo do comprimento da viga

Cisalhamento transversal

Cisalhamento de elementos retos

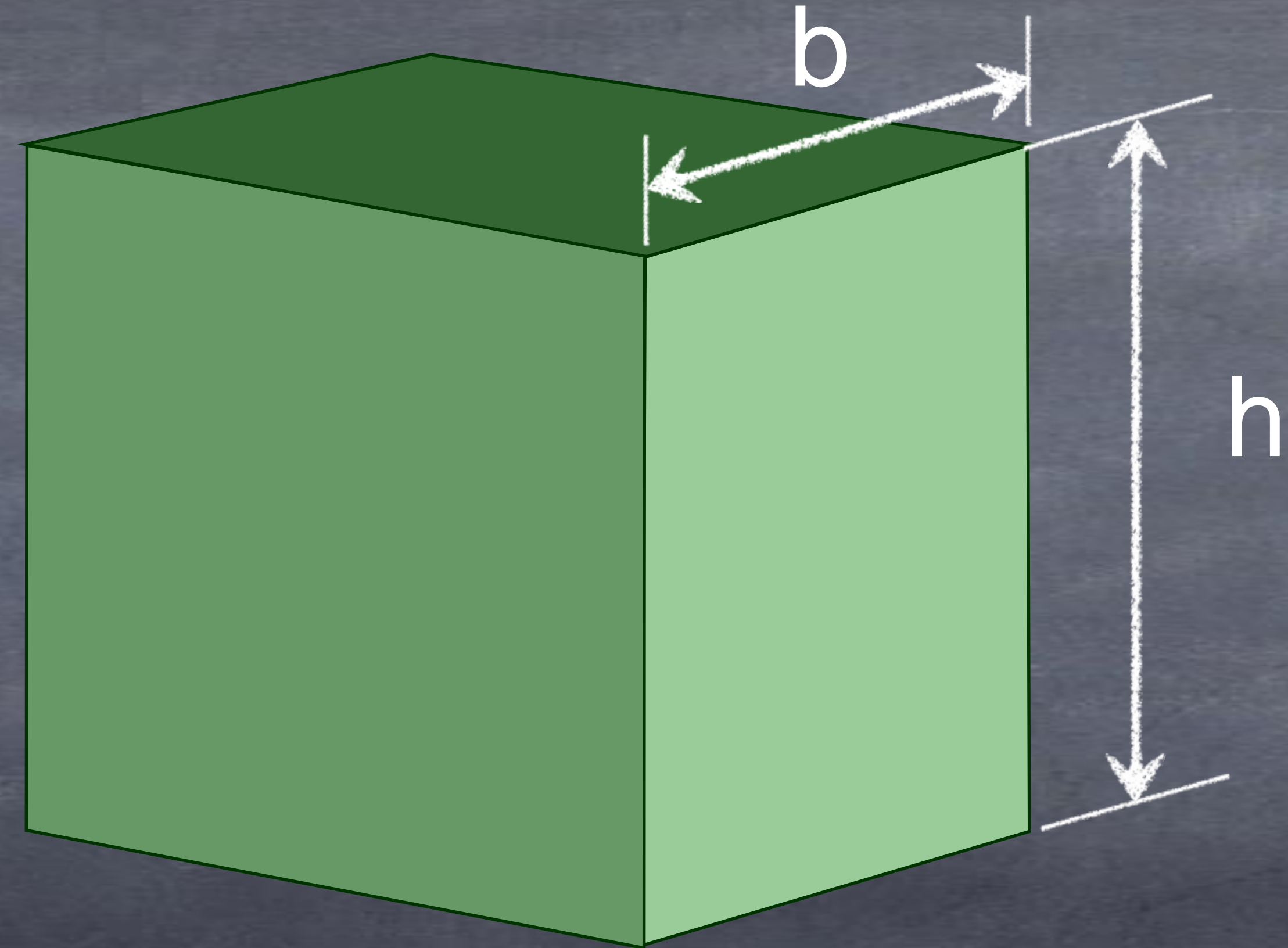
Seção da viga



Cisalhamento transversal

Cisalhamento de elementos retos

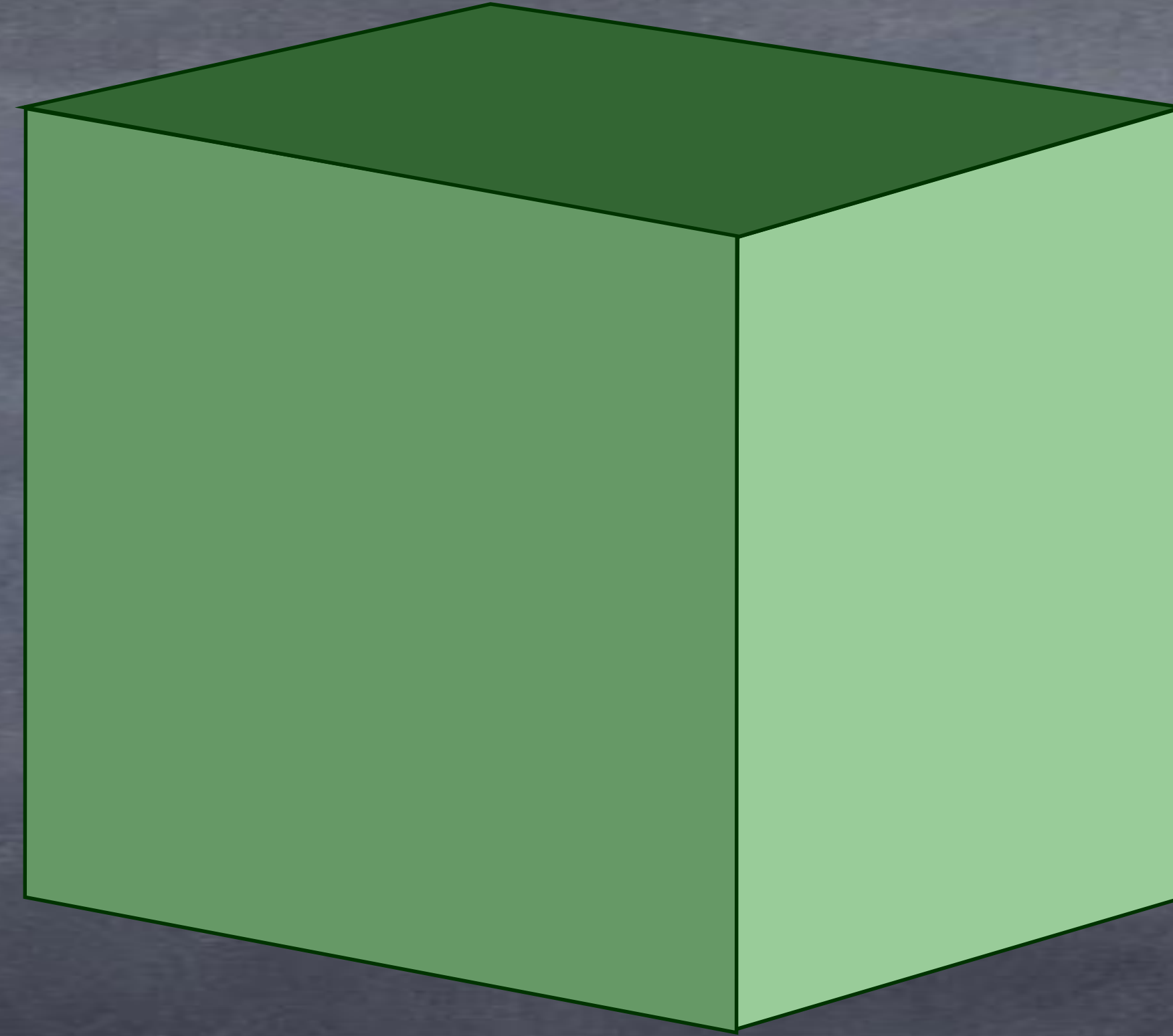
Seção da viga



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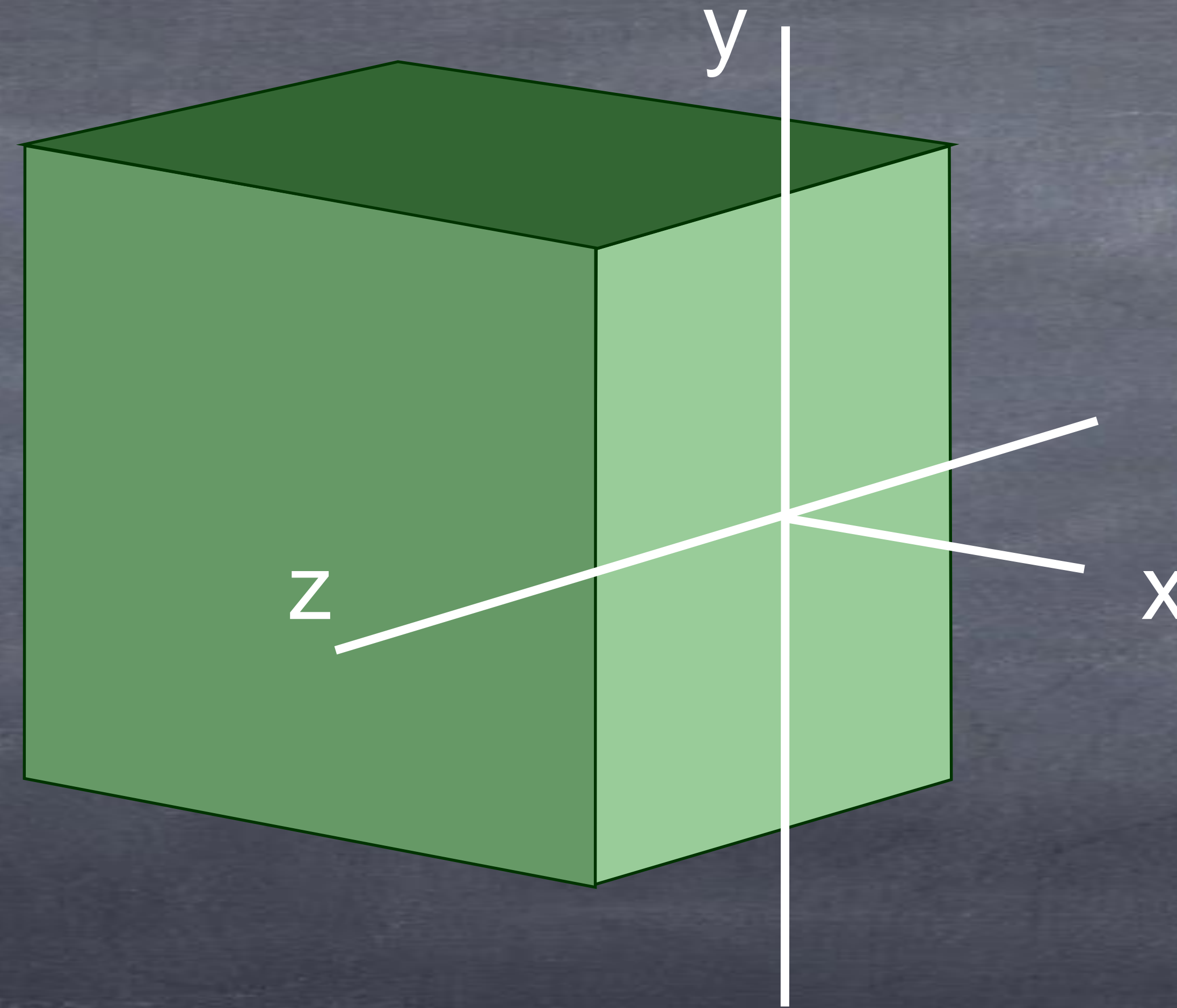
Seção da viga



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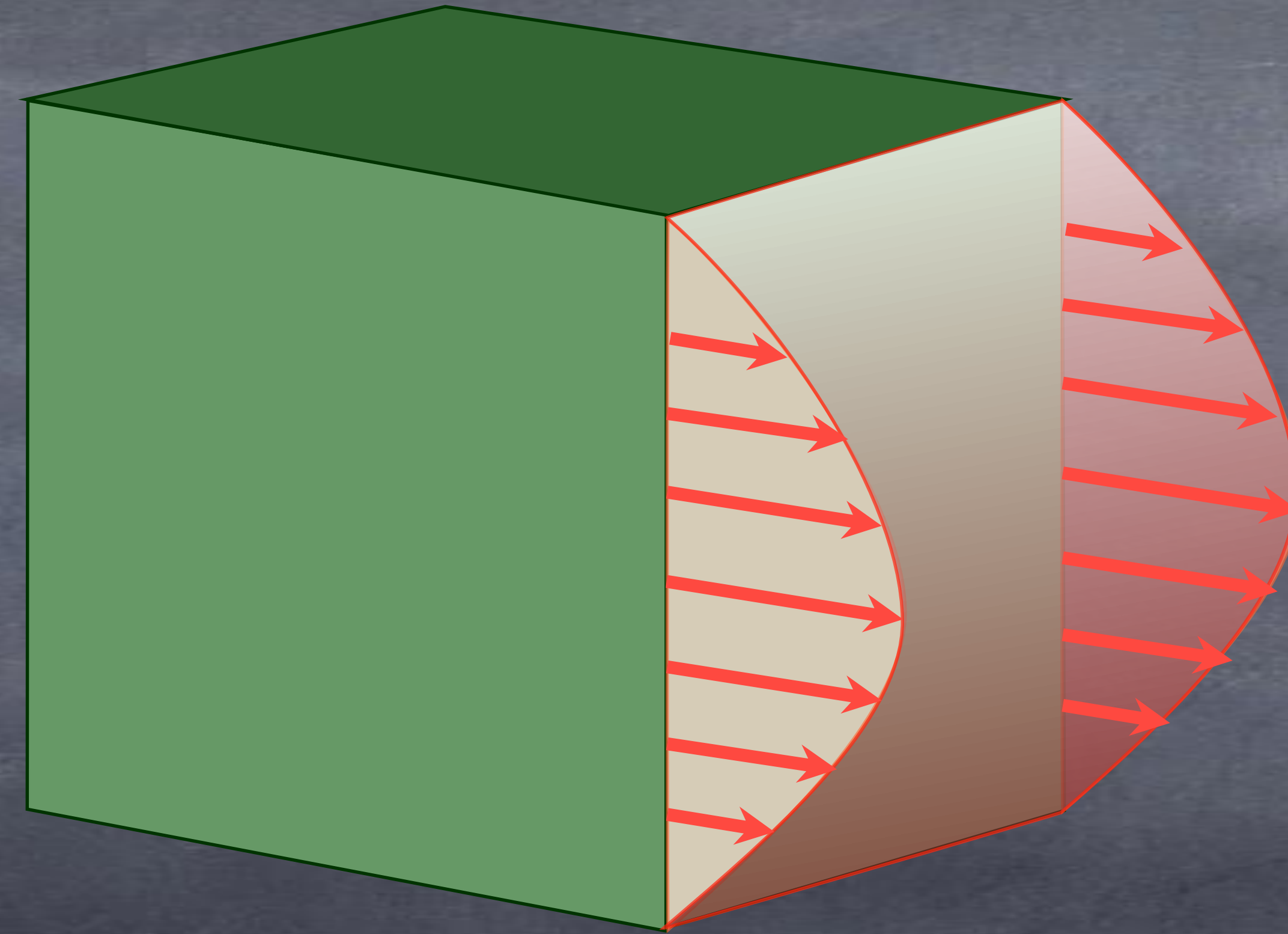
Seção da viga



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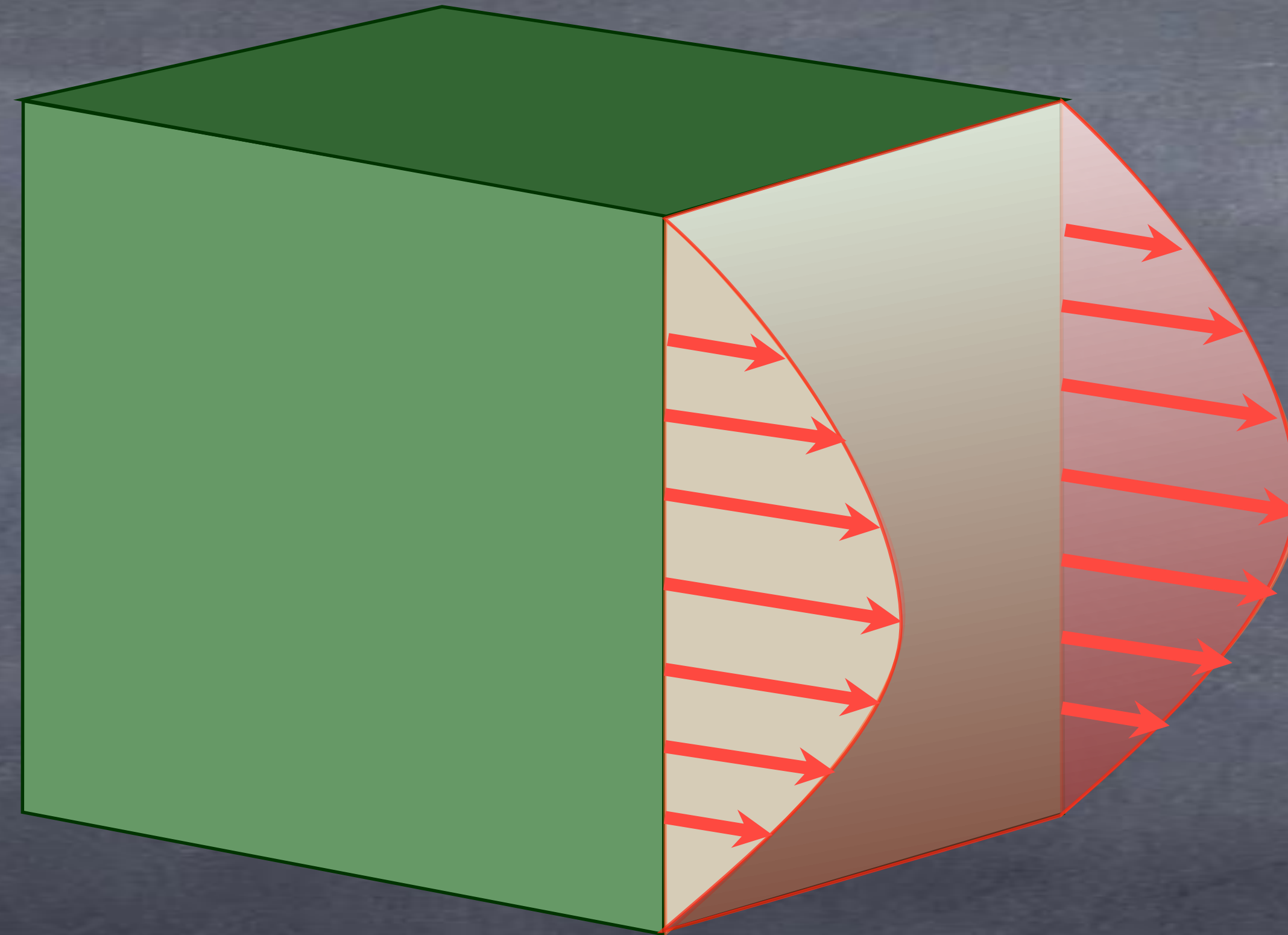
Seção da viga



Cisalhamento transversal

Cisalhamento de elementos retos

Seção da viga

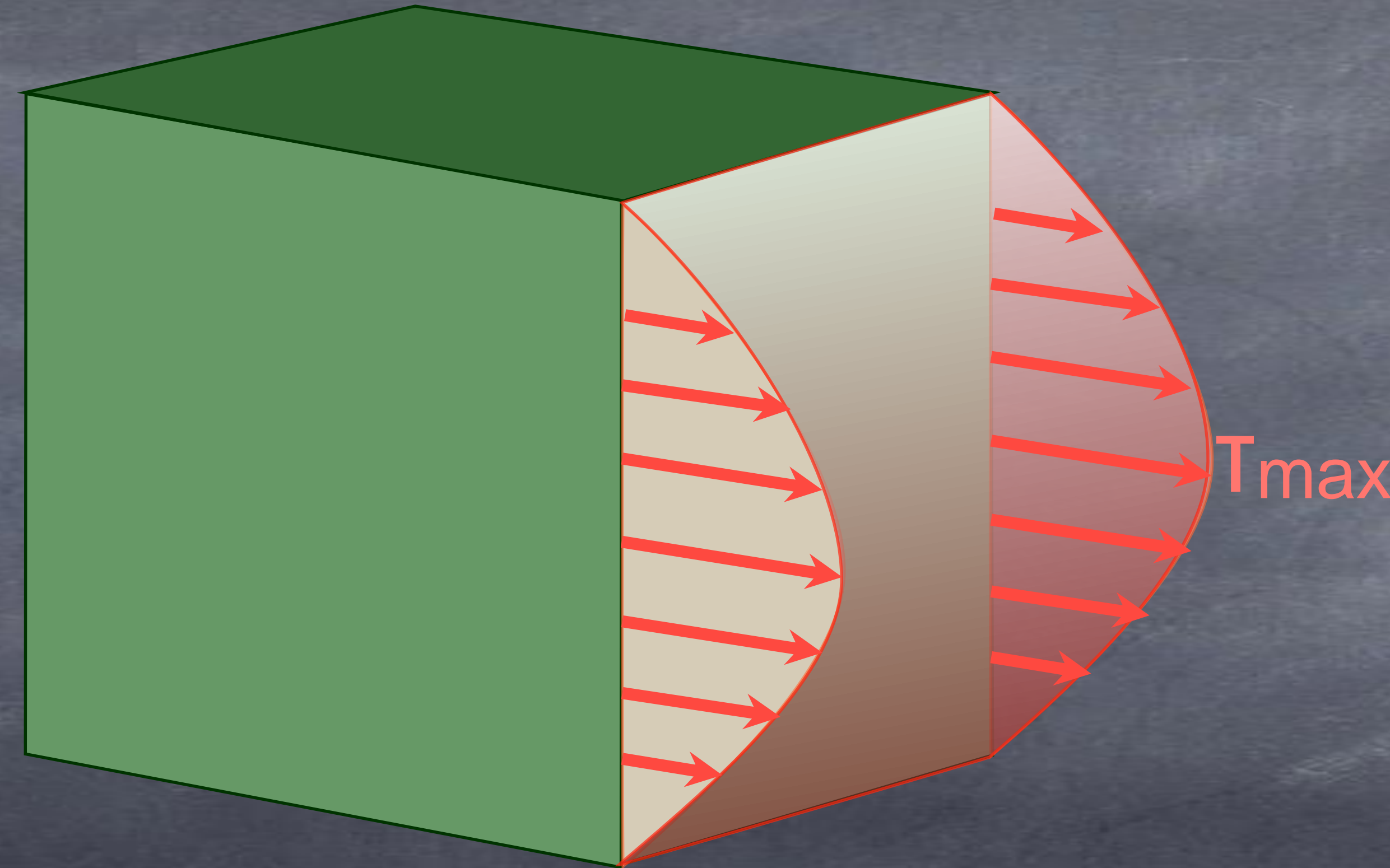


$$\tau = \frac{6V}{bh^3} \left(\frac{h^2}{4} - y^2 \right)$$

Cisalhamento transversal

Cisalhamento de elementos retos

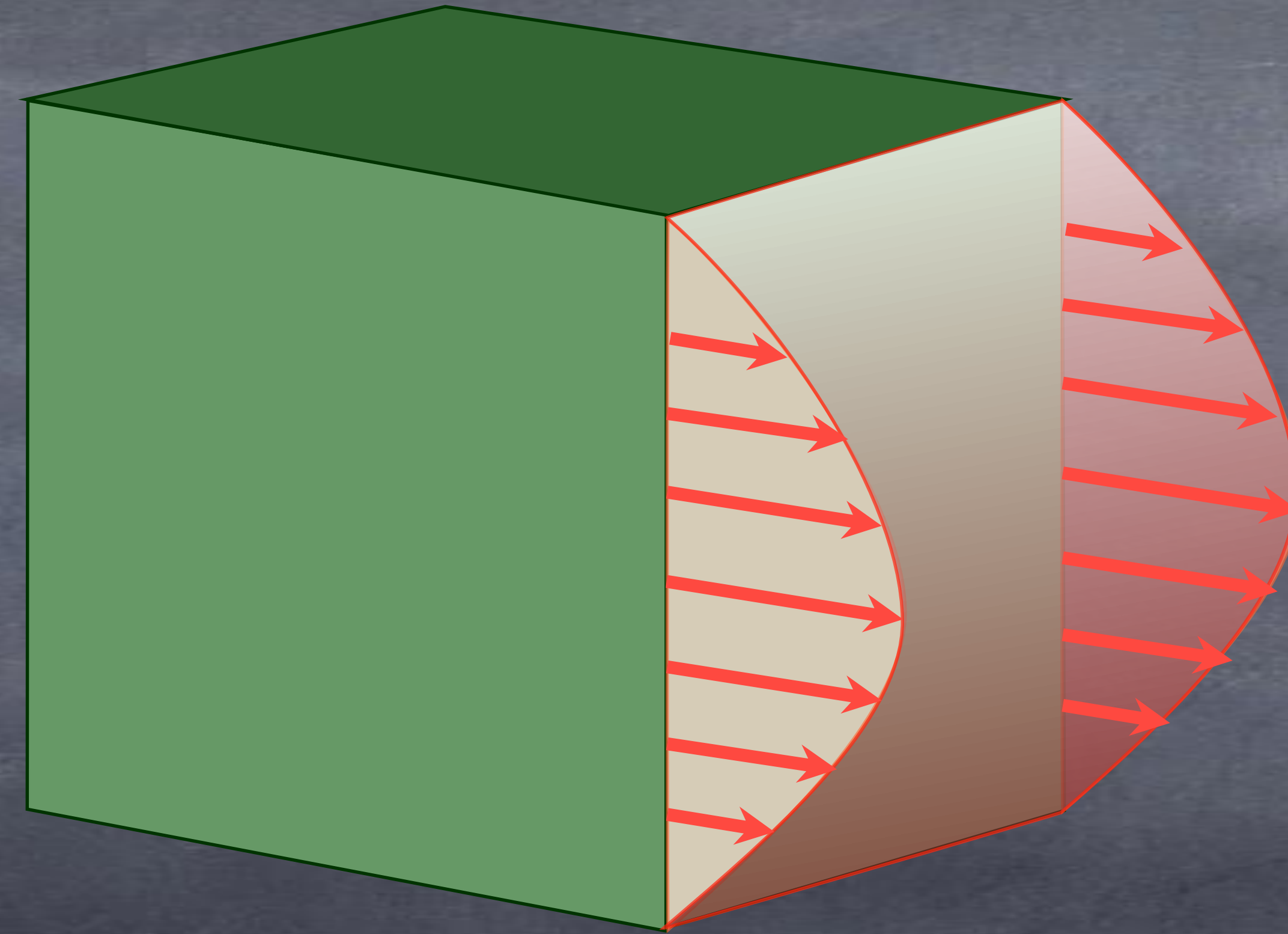
Seção da viga



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Cisalhamento de elementos retos

Seção da viga

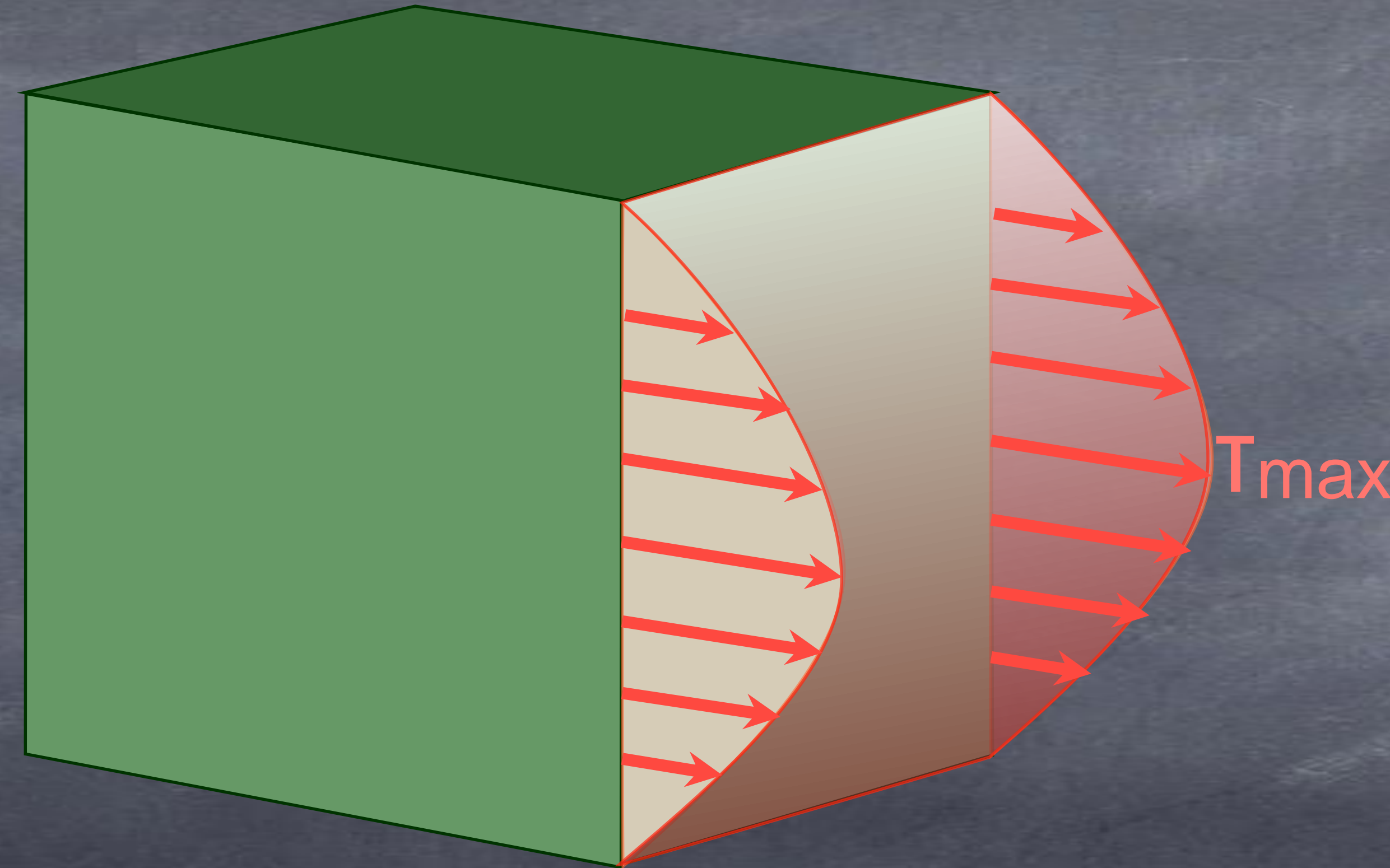


$$\tau = \frac{6V}{bh^3} \left(\frac{h^2}{4} - y^2 \right)$$

$\tau_{\max} \quad (y = 0)$

Cisalhamento de elementos retos

Seção da viga



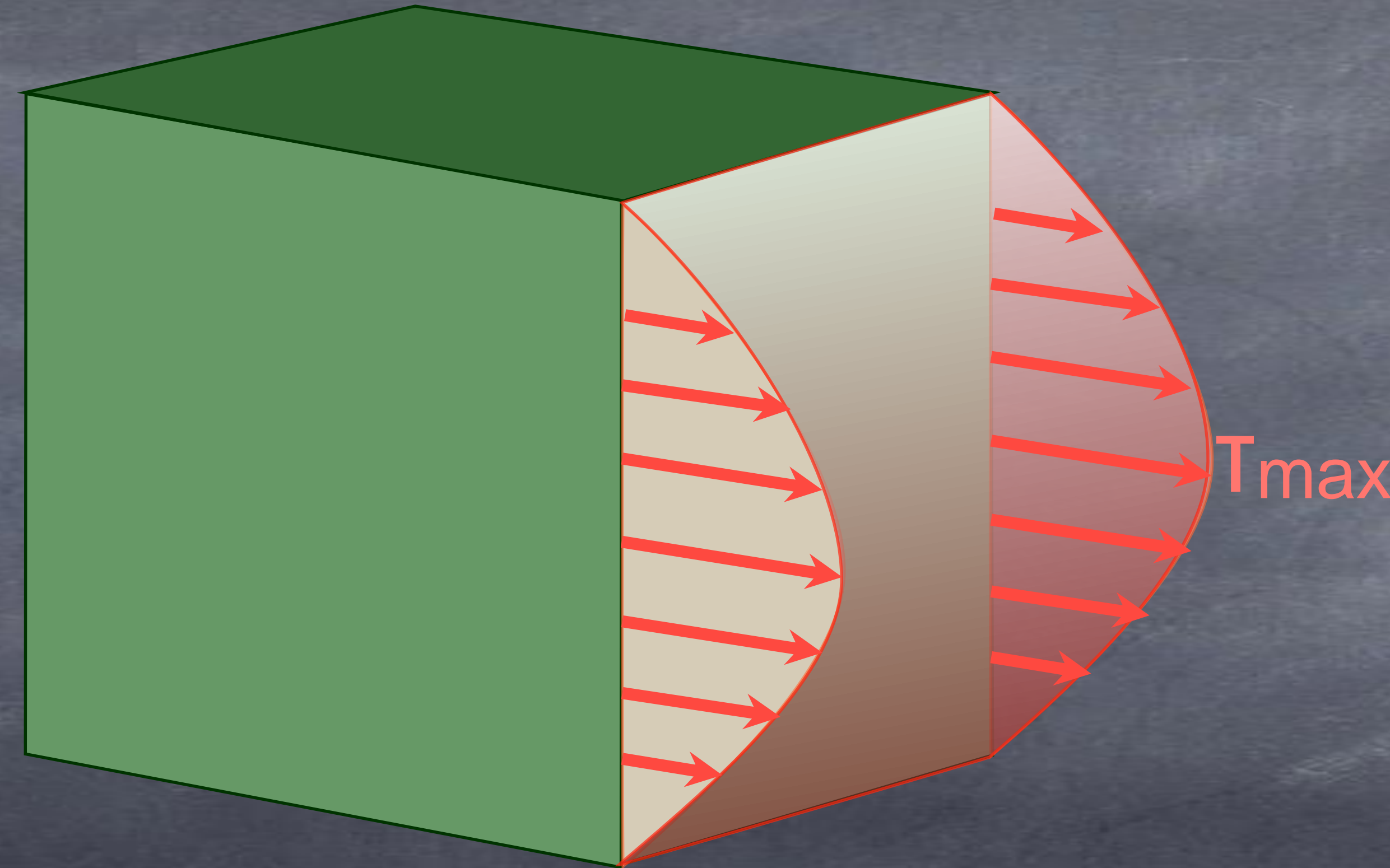
$$\tau = \frac{6V}{bh^3} \left(\frac{h^2}{4} - y^2 \right)$$

$$\tau_{\max} = 1,5 \frac{V}{A}$$

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$$\tau = \frac{6V}{bh^3} \left(\frac{h^2}{4} - y^2 \right)$$

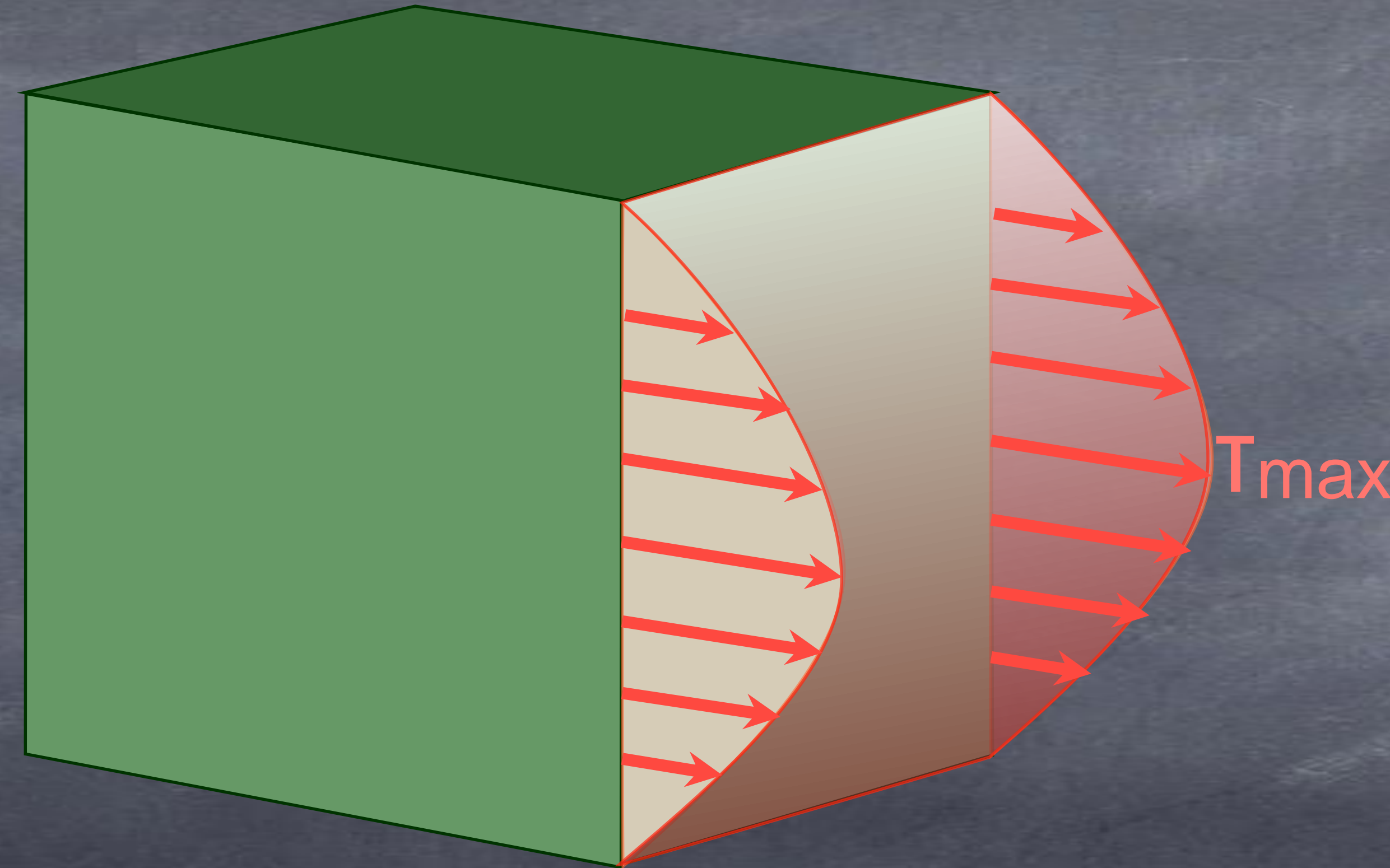
$$\tau_{max} = 1,5 \frac{V}{A}$$

$$\tau_{med} = \frac{V}{A}$$

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$$\tau = \frac{6V}{bh^3} \left(\frac{h^2}{4} - y^2 \right)$$

$$\tau_{\max} = 1,5 \frac{V}{A}$$

$$\tau_{\text{med}} = \frac{V}{A} \div \tau_{\max} = 1,5 \tau_{\text{med}}$$

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