

Who is Euler?



Input interpretation:

(first) Euler number

Equation:

$$Eu_1 = \frac{\Delta P}{\rho v^2}$$

Eu_1	(first) Euler number
ΔP	pressure difference
ρ	mass density
v	characteristic speed

Input values:

pressure difference	100 000 Pa (pascals)
mass density	1000 kg/m ³ (kilograms per cubic meter)
characteristic speed	1 m/s (meter per second)

Result:

(first) Euler number	100
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Wolfram|Alpha: Who is Euler?