

DIMENSIONLESS

Meaning: Dimensionless refers to a quantity that has no associated unit of measurement, often used in contexts such as physics and fluid dynamics.

1. In physics, a dimensionless quantity has no associated unit of measurement.
2. The concept of dimensionless numbers is crucial in fluid dynamics.
3. To simplify the equation, we can use a dimensionless parameter that captures the essential behavior.
4. In mathematics, certain ratios are often considered dimensionless as they represent pure numbers.
5. Understanding dimensionless factors allows engineers to compare different systems effectively.

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