Relativity, laboratory methods and specialised topics

GRE Subject Test · GRE Physics · Vocabulary in context

Word	Example
time dilation /taɪm daɪˈleɪʃn/	**Time dilation** makes a moving clock run slow.
Lorentz factor	At 0.6c, the **Lorentz factor** is 1.25. 0.6c 1.25
rest energy /rest ˈenədʒi/	An electron's **rest energy** is 0.511 MeV. 0.511 MeV
precision /prɪˈsɪʒn/	Repeated measurements with less scatter have better **precision**.
accuracy /ˈækjʊrəsi/	Good **accuracy** means the result is close to the true value.
quadrature /ˈkwɒdrətʃə/	Add independent uncertainties in **quadrature**: square, add, then take the root.
systematic error /ˌsɪstəˈmætɪk ˈerə/	A badly zeroed meter causes a **systematic error**.

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