

# Testing general relativity in space

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Given its experimental success, general relativity is the theory used to describe gravitational phenomena on various scales, from the solar system to the Universe. In this contribution, we review the degree of precision achieved by the most recent tests aimed to verify the foundations of the general theory of relativity and motivate the need for high-accuracy experiments in space. It is argued that these experiments may hold the key to unravel new fundamental theories such as string theory and other unification models that contain general relativity at lowest order.