

Gravitoelectromagnetic analogies: theory and experimental perspectives

In this talk we briefly review the gravitoelectromagnetic analogies that arise in General Relativity: they are powerful tools to explain peculiar general relativistic effects in terms of known results of classical electromagnetism. In particular, we focus on the perspective of measuring these effects on the Earth and in the Solar System, with emphasis on the detection of the magnetic-like component of the field of gravitational waves.

Primary author: RUGGIERO, Matteo Luca (Istituto Nazionale di Fisica Nucleare)

Presenter: RUGGIERO, Matteo Luca (Istituto Nazionale di Fisica Nucleare)

Session Classification: Gravity in the weak field