

# Sagnac Effect

The French physicist Georges Sagnac is nowadays frequently cited by the engineers who work on devices such as ring-laser gyroscopes. These systems operate on the principle of the [Sagnac effect](#). It is less known that Sagnac was a **strong opponent to the theory of special relativity** proposed by Albert Einstein. He set up his experiment to **prove the existence of the aether** discarded by the Einsteinian relativity. An accurate explanation of the phenomenon was provided by Paul Langevin in 1921.

## The Sagnac effect and its interpretation by Paul Langevin

The new type of gyroscope has achieved something considered a benchmark for gyroscopes: the ability to **measure the rotation of the earth**.

## New Chip-Based Laser Gyroscope Measures Earth's Rotation

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Revision #12

Created 1 August 2023 19:10:48 by giw

Updated 11 August 2023 19:40:12 by giw