

Erratum

Clarification about “A preliminary discussion of Dulkyn interferometer”

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The paper “A preliminary discussion of Dulkyn interferometer” was published in Eur. Phys. J. AP. **9**, 37–42 (2000).

The purpose of the paper is the estimation of various noises in the compact pentagonal interferometer. Our goal was to consider several necessary constraints to be fulfilled for a given response of the set-up due to accelerations, rotations and gravitational waves. The response of the set-up itself was not the subject of the paper in the case of gravitational waves.

The revised version was written by Ph. Tourrenc who has been carried along with his own convictions (based on previous calculations) concerning the mechanical strains due to gravitational waves. It resulted in several new negative claims.

Unfortunately the revised version could not be communicated for discussion to A. Balakin before publication.

A. Balakin agrees with the basic results of the paper. However, for several reasons, he does not agree with the idea that out of resonance, the fixation of the mirrors on a rigid support would not allow to detect low frequency gravitational waves on Earth. He will detail this point in forthcoming publications.