Re: An Explanation of Dayton Miller's Anomalous "Ether Drift" Result

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Harry wrote:

> According to Munera in a later, refined publication, the signal can even change considerably in the time of making one turn.

Reference, please. I see no such preprint on arXiv.org.

Are you are thinking of this:
H.Munera, "Michelson−Morley Experiments Revisited: Systematic Errors, Consistency Among Different Experiments, and Compatibility with Absolute Space", APEIRON Vol. 5 Nr. 1−2, January−April 1998 Page 37.

If so, he completely ignores the enormous systematic drift, and makes several incorrect statements about variation over time of the signal (including the claim it varies during a single turn).

As I point out in footnote 7 on page 6, the rotation of the earth introduces a negligible variation in the orientation of the apparatus during a run.

Munera is wrong. Munera claimed to consider "systematic errors" but ignored the systematic drift, which generates errorbars vastly larger than the tiny effects he considered. And he did not understand the flaws in Miller's analysis algorithm.

I tried to send H. Munera an email pointing out my paper, with the hope he would look at it and comment, but all attempts bounced.

Tom Roberts
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