

**L'Étude du mouvement du pendule de Foucault
à Luanda pendant l'éclipse de Soleil
du 21 juin 2001**

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Abstract - During the solar eclipse of 21 June 2001 the Allais effect was studied, using the Foucault pendulum. The effect was determined calculating the difference of the azimuth during the eclipse (A_e) and the azimuth outside the eclipse (A_r). During the eclipse the motion of the plane of oscillation was slower, the effect being small. On the other hand, during the eclipse the period of oscillation suffered only little variations. The obtained value of the gravity acceleration is in concordance with the theoretical value.

Key words and phrases : Foucault effect, Allais effect, solar eclipse, gravity.

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