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Amsterdam, 28th March 2006
Your reference:
Our reference:
Enclosed:
Subject: Bursa thesis

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Dear Prof. Andel,

The thesis 'High-Frequency Quasi-Periodic Oscillations and their Modulation by Relativistic Effects' by Michal Bursa is an interesting scientific work. Chapters 3 and 4 in particular contain important contributions to the thinking about mechanisms that could cause high-frequency quasi-periodic oscillations and direct applications of general relativity in the strong field regime to directly observable phenomena, which, in my opinion, is fascinating. The more interpretative/exploratory work in Chapter 1 perhaps requires some additional discussion. In particular with respect to the linear regression analysis between the coefficients of the linear equation fitted to the kiloHertz frequency-frequency relations one might wonder if the anti-correlation found would still be significant if the covariance between these coefficients would be taken into account in addition to their individual variances.

Nevertheless, this thesis is clearly of sufficient quality to admit the candidate to the defense, and after a successful defense I would recommend that the doctorate be granted.

Sincerely,

Prof. dr M. van der Klis