

# MODEL SELECTION FOR TRANSITING EXOPLANETARY SIGNALS

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ABSTRACT. One of the current problems in the detection and characterization of extrasolar planets is that of accurately modeling the transit signal, which may be perturbed by different kind of noise structure and/or stellar spots. In this talk I will discuss the importance of modelling these perturbations accurately, and propose solutions to these issues using well-known theoretic information criteria such as AIC and BIC.

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