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THE VARIABLE SKY AS SEEN BY K2

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ABSTRACT

We measure all the periods.

1. INTRODUCTION

Some words... (Luger et al. 2017)

$$k(\tau) = \frac{a}{1+b+m} \exp\left(-\frac{2\pi f \tau}{P\,(1+b+m)}\right)\left[b+m+\cos\left(\frac{2\pi\tau}{P}\right)+f\,\sin\left(\frac{2\pi\tau}{P}\right)\right] \quad (1)$$

where

$$m = \sqrt{1+f^2} \quad . \quad (2)$$

This has the properties

$$k(\tau) \geq 0\,, \quad k(0) = a\,, \quad \text{and} \quad \left.\frac{\mathrm{d}k(\tau)}{\mathrm{d}\tau}\right|_{\tau=0} = 0 \quad . \quad (3)$$

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Facility: Kepler

Software: corner.py (Foreman-Mackey 2016), Eigen (Guennebaud et al. 2010), emcee (Foreman-Mackey et al. 2013), matplotlib (Hunter et al. 2007), numpy (Van Der Walt et al. 2011), scipy (Jones et al. 2001).

APPENDIX

There's always an appendix.

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