

THE VARIABLE SKY AS SEEN BY K2

DANIEL FOREMAN-MACKEY,¹ RODRIGO LUGER,² AND RUTH ANGUS^{3, 4}

¹*Center for Computational Astrophysics, Flatiron Institute, New York, NY*

²*Department of Astronomy, University of Washington, Seattle, WA*

³*Simons Fellow*

⁴*Department of Astronomy, Columbia University, New York, NY*

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

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

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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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