



Neural Networks for photometric data

While the rapid growth in astrophysical data output presents immense opportunities for discoveries, it also presents a challenge: how to effectively and efficiently search the data for relevant information. Neural networks offer a compelling method to accomplish this search. I will explain why neural networks are valuable and how they understand data. I will show our recent results identifying 181 new planet candidates in TESS, examine the obstacles in training neural networks for such photometric data, and discuss methods to overcome these challenges.



Greg Olmschenk, PhD.
NASA GSFC, Baltimore, MD

Friday 25, June, 4 pm CEST (16:00 pm)