

Postbac Research Experience: Multimodal Classification of Astronomical Transients

Monday 14 October 2024 14:05 (10 minutes)

The Zwicky Transient Facility is capable of triggering hundreds of thousands of alerts a night for potential astronomical transients. Quickly classifying these objects is critical for determining candidates for follow up observations. Machine learning already plays a role in the transient classification pipeline, and has shown success training on image time series and photometric time series. For the start of my A3D3 Postbac at the University of Minnesota, I have been working on a multimodal classifier of astronomical transients using photometric time series data, image time series data, and metadata.

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Session Classification: Afternoon Plenary