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Classification of astrophysical image time series using convolutional attention

lundi 26 septembre 2022 14:20 (20 minutes)

We will present the collaborative work between astrophysicists and computer scientists to explore classification of optical transients. The optical transient time serie, captured with its scene (usualy a galaxy in the background) is used as raw input into a convolutional attention network to performe supervised learning on several class of astrophysical transient objects. Results and comparison with other state-of-the-art methods are presented.

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Classification de Session: Monday afternoon

Classification de thématique: 1 ML for object identification and reconstruction