ABSTRACT

TITLE:	Supernovae Classification by the Observation of Light Curves
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ABSTRACT: A supernova explosion will exhibit a light curve distinct to each type after it fades away from peak irradiance. Supernovae are thus categorized by observable characteristics, namely, their light curves and spectrum. By carefully observing a supernova's light curve over a period of about two months, the type can be deduced. Using the Fort Lewis observatory, I attempted to formulate light curves for a few recently observable supernovae to see if the types could be gathered.