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The (absence of) UV afterglows in Supernovae

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Recently an unexpected UV afterglow was reported for the Fast Blue Optical Transient AT2018cow. The most supported explanation for this event is currently a peculiar supernova, although other theories cannot be ruled out. Supernovae are expected to become redder over time, and not much research has gone into potential UV afterglows of such events. We investigate whether there are UV afterglows for more supernovae, potentially strengthening the case for AT2018cow being a supernova.

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