

Abstract Submitted
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Capacitance measurements of defects in solar cells: checking the model assumptions JUSTIN DAVIS, THADDEUS COX, JENNIFER HEATH, Linfield College — Capacitance measurements of solar cells are able to detect minute changes in charge in the material. For that reason, capacitance is used in many methods to electrically characterize defects in the solar cell. Standard interpretations of capacitance rely on many assumptions, which, if wrong can skew the results. We explore possible alternate explanations for capacitance transitions, which may not be linked directly to defects, such as a non-ideal back contact, and series resistance.

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