

Abstract Submitted  
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**Graph-theoretical analysis of a crystal phase transition** JAMES MCKENZIE, BRANTON CAMPBELL, Brigham Young University — The group-subgroup relationship between the parent and child phases in a solid-solid phase transition contains valuable information about the types of defects that can arise in the material. In this presentation, we'll explore the role of the symmetry-group of the coset graph of a phase transition in determining defect topology.

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