

Abstract Submitted
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Matching up the Kovalev and CDML space-group IRs REBECCA WINZER, University of Idaho, BRANTON J. CAMPBELL, HAROLD T. STOKES, Brigham Young University — We are building a correspondence between two tables of the irreducible representations (IRs) of crystallographic space groups at incommensurate k -points. The first is the table of little-group IRs prepared by Kovalev. The second is the table of little-group IRs prepared by Cracknell, Davies, Miller, and Love (CDML), which were used to induce the complete space-group IRs recently tabulated by Stokes, Campbell and Cordes. To date, we have established a correspondence between the CDML and Kovalev k -vector tables and setting-dependent space-group operator tables, and have verified that the little-group irrep characters can be matched. A few ambiguities remain to be resolved.

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