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Examples from research on the learning and teaching of quantum mechanics¹ ANDREW D. CROUSE, PETER S. SHAFFER, LILLIAN C. MCDERMOTT, University of Washington, Seattle — For the past several years, the Physics Education Group at the University of Washington has been engaged in an investigation of the learning and teaching of quantum mechanics. This study has been conducted primarily in the junior-level undergraduate quantum mechanics class at the University of Washington. It has focused on student understanding of many topics including, but not limited to: probability, stationary states, time-dependence, angular momentum, identical particles, and perturbation theory. Results from some selected research questions will be presented.

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