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Examining student understanding in quantum mechanics[1] GINA PASSANTE, PAUL EMIGH, PETER SHAFFER, University of Washington — A solid understanding of quantum mechanics is an important component to an undergraduate physics degree. While many quantum mechanics students can successfully solve complicated mathematical problems, they are often unable to answer qualitative or conceptual questions and have trouble with some very important foundational concepts. The Physics Education Group at the University of Washington is working to develop a set of tutorials to supplement traditional instruction and improve students understanding of many important quantum mechanical concepts. Preliminary findings and examples will be presented.

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