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Insight to Student Reasoning Through Use of Question Format¹ MARK ELLERMANN, BETH THACKER, Texas Tech University — We study the effects of problem format on physics students' incorrect answers on quiz questions. We analyzed students' incorrect answers by a rubric. The three problem formats analyzed were: multiple choice, calculation, and ranking. This builds on previous research where the effect of problem format on students' answers was analyzed. The answers were analyzed according to answer choice and explanation wording.

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