

Doctoral Proficiency Examination- Physics Education Reading List

1. Beichner, R. J. (1994). Testing student interpretation of kinematics graphs, American Journal of Physics, 62, 750-762. 13 pages
2. Lawson, R. A., & McDermott, L. C. (1987). Student understanding of the work-energy and impulse- momentum theorems, American Journal of Physics, 55, 811-817. 17 pages
3. Maloney, D. P. (1984). Rule-governed approaches to physics: Newton's third law, Physics Education, 19, 37-42. 6 pages
4. Wittmann, M. C., Steinberg, R. N., & Redish, E. F. (1999). Making Sense of How Students Make Sense of Mechanical Waves, The Physics Teacher, 37:1, 15-21. 7 pages
5. Wosilait, K., Heron, P. R. L., Shaffer, P. S., & McDermott, L. C. (1998). Development and assessment of a research-based tutorial on light and shadow, American Journal of Physics, 66, 906-913. 8 pages