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Biomedical Imaging in the Undergraduate Physics Curriculum

BETHE SCALETTAR, Lewis and Clark College, JAMES ABNEY, Kolisch Hartwell PC — In recent years, physics (and mathematics) have become very critical and conspicuous contributors to biology and medicine. One notable reason is the indispensable role that sophisticated imaging techniques now play in fundamental biological research and in diagnosing and treating many serious diseases. In light of this, we recently developed an undergraduate course in which imaging serves as a foundation for integrating physics with material that is engaging and relevant, especially to students majoring in physics and/or the life sciences.

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