

Using infra-red camera in the activities that help students construct basic knowledge of thermal radiation

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The availability of infra-red (IR) cameras changes the way we teach many topics: energy, thermodynamics, electricity, optics, and modern physics. As an IR camera is a complex device that functions based on the physics beyond the introductory level, in order to fully use its pedagogical potential, we need to integrate it into an introductory physics course without compromising course coherence and overloading the curriculum. We share activities in which we used IR cameras following the framework for using modern devices in introductory physics courses developed earlier. Activities follow the ISLE approach and were tested with physics education students.

How would you like to present your contribution?

Live in Ljubljana (time slot to be allotted based on the programme)

Target education level (primary)

Upper-secondary education

Target education level (secondary, optional)

Higher-secondary education

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