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Discussion of a physical optics method and its application to absorbing smooth and slightly rough hexagonal prisms

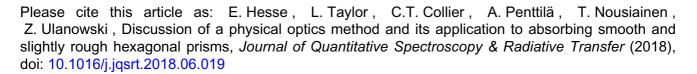
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Highlights

- Discussion of Karczewski and Wolf's physical optics (PO) aperture diffraction model.
- Study of external diffraction using DDA scattering data for absorbing particles.
- Introduction of a volume obliquity factor into PO model to correct side scattering.
- Comparison of scattering patterns for slightly rough absorbing prisms with DDA.
- Use of grid defined facets for orientations where shadowing is not negible.



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