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Modeling light scattering in the shadow region behind thin cylinders for diameter analysis

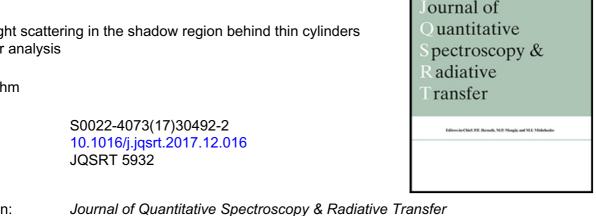
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Highlights

- Modeling light scattering of circular cylinders
- Sinusoidal model functions for data inversion
- Novel evaluation algorithm for retrieving diameter information of cylindrical products like thin wires or optical fibers
- Test results with synthetic and experimental scattering data



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