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An Indirect Method of Imaging the Stokes Parameters of a Submicron Particle with Sub-diffraction Scattering

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Highlights:

- Scattering distribution of a submicron Cu_2O particle in terms of Stokes parameters has been imaged using a far field parametric microscopic technique.
- A comparison of this sub-diffraction scattering with the classical Stokes parameters measurement method is included to show the relevant differences and the strength of this technique.
- The sub-diffraction mapping of scattering signals delivered by our method in terms of Stokes parameters has been verified with finite difference time domain (FDTD) method.

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