Raman spectroscopy and its applications

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Abstract

This seminar presents Raman spectroscopy and its applications with the following outline:
1) Basic principles of Raman spectroscopy
2) Raman spectroscopy applied to the molecules: classical model
3) Raman spectroscopy applied to the solids: quantistic model.
4) Raman spectroscopy and confocal microscope
5) Examples of Raman spectral imaging in 1D, 2D, 3D dimensions

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