

## Modern Theory Of Gratings Resonant Scattering Analysis Techniques And Phenomena

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### Modern Theory Of Gratings Resonant

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Such optically anisotropic antennas support two plasmonic eigenmodes with different resonant properties. ... orders is a characteristic of blazed gratings. ... overview of the theory and ...

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A frequency-selective surface (FSS) is any thin, repetitive surface (such as the screen on a microwave oven) designed to reflect, transmit or absorb electromagnetic fields based on the frequency of the field.In this sense, an FSS is a type of optical filter or metal-mesh optical filters in which the filtering is accomplished by virtue of the regular, periodic (usually metallic, but sometimes ...

### Frequency selective surface - Wikipedia

Weihao Liu currently works at the National Synchrotron Radiation Laboratory, University of Science and Technology of China. Weihao does research in Accelerator Physics, Optics and Electromagnetism.

### Weihao LIU | Professor (Associate) | PhD | University of ...

In modern physics, the double-slit experiment is a demonstration that light and matter can display characteristics of both classically defined waves and particles; moreover, it displays the fundamentally probabilistic nature of quantum mechanical phenomena. This type of experiment was first performed, using light, by Thomas Young in 1801, as a demonstration of the wave behavior of light.

### Double-slit experiment - Wikipedia

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### Electrical Engineering | Stanford University

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### ACS Photonics | Ahead of Print

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### Miniaturization of optical spectrometers | Science

GISAXS from nanoscale gratings were characterized in great detail by and . [Lu ... Resonant scattering making use of several waveguide modes can also be applied to reconstruct the electron density in the film ... "Elements of modern X-ray physics", (John Wiley & Sons, New York, 2001).

### GISAXS - Cornell University

Fano resonances and Rabi splittings are routinely reported in the scientific literature. Asymmetric resonance lineshapes are usually associated with Fano resonances, and two split peaks in the spectrum are often attributed to a Rabi splitting. True Fano resonances and Rabi splittings are unequivocal signatures of coherent coupling between subsystems. However, can the same spectral lineshapes ...

### Fano Lineshapes and Rabi Splittings: Can They Be ...

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