

Theories Of Spectral Line Shape

By R. G. Breene

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Brown Dwarf spectral line shapes S. J. Gibson¹ D. F. T. Mullan² V. Venturi³

Section 2 outlines the background theory appropriate to the calculation of

OSA | Speed-dependent Voigt dispersion line- shape -

A method of synthesis of the statistical and impact theories of pressure Correlation effect in spectral line shape from the Doppler to the

BROADENING OF MOLECULAR SPECTRAL LINES. VOLUME I -

broadening of molecular spectral lines. breene, r. g., jr. report date : (*stark effect, air), line spectra, quantum theory, operators

Quantum electrodynamical theory for the natural -

with the use of quantum mechanics. A consistent theory of the spectral line shape can be developed, however, only in the framework of quantum electrodynamics (QED).

The Shift and Shape of Spectral Lines R. G. Breene -

The Shift and Shape of Spectral Lines R. G. Breene (Pergamon)

The shift and shape of spectral lines (Book, 1955) -

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Theory of the pressure broadening and shift of -

A detailed analysis of the observed line shapes can give information Theory of the pressure broadening and shift of spectral lines. Quantum field theory,

Power broadening revisited: theory and experiment -

Such spectral line profiles are found in a variety of other observations, R.G. Breene; The Shift and Shape of Spectral R.G. Breene; Theories of Spectral Line

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Hegland : Error bounds for spectral enhancement -

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Ammonia line profiles: On deviations from the -

less than 10 cm⁻¹ from the line center and molecules in statistical theories of line BREENE. J R., The Shift and Shape of Spectral Lines

References database of the institute of -

A far wing line shape theory and its application to the water Theory of the width and shift of molecular spectral lines in gases R. G. Gordon J. Chem. Phys

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