

oscillator strength, f_{ij}

Measure for integrated intensity of electronic transitions and related to the Einstein transition probability coefficient A_{ij} by:

$$f_{ij} = 1.4992 \times 10^{-14} (A_{ij}/s^{-1}) (\lambda/\text{nm})^2,$$

where λ is the transition wavelength. There are, however, differing uses of f .

G.B. 33; see also 1996, 68, 2257