

Erratum

**Stokes parameters of resonance lines scattered by a moving,
magnetic medium**

Theory of the two-level atom

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Due to an unfortunate error during the printing process of the paper “Stokes parameters of resonance lines scattered by a moving, magnetic medium: Theory of the two-level atom” by N.-E. Raouafi, A&A 386, 721–731 (2002), the integral over α in Eq. (25) was written under the fraction line. The correct equation is given by

$$\mathcal{K}_{\text{rad}} \propto \frac{1}{(4\pi)^2} \frac{N_A I_c B_{lu}}{\sqrt{\pi} \sqrt{\Delta v_{D_1}^2 + \Delta v_{D_s}^2}} \int_{\alpha} d\alpha \sin \alpha f(\alpha, \beta) \int_{\beta} d\beta \exp \left[- \left(\frac{v_0}{c} \right)^2 \frac{(\mathbf{V} \cdot \mathbf{n})^2}{\Delta v_{D_1}^2 + \Delta v_{D_s}^2} \right]. \quad (25)$$

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