

**Zeeman**原子吸收光谱分析法中谱线轮廓的研究I.原子发射谱线、原子吸收谱线和**Zeeman**原子吸收谱线轮廓间重叠关系图的建立

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**摘要** 详细报道用理论计算和绘制的37个元素分析线的发射轮廓、吸收线轮廓和Zeeman分裂后的吸收线轮廓,并建立了在原子吸收光谱法中三者轮廓间的重叠关系

**关键词** [原子吸收分光光度法](#) [原子发射光谱](#) [谱线轮廓](#) [发射线轮廓](#) [吸收线轮廓](#)

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### Studies on the spectral line profiles in zeeman effect atomic absorption spectroscopy I.The overlapping relationship of calculated line profiles fo AE,AA and ZAA

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**Abstract** The profiles of 37 lines involved in ZAAS for 37 elements were calculated theor. and plotted. The overlapping relation of AE, AA and ZAA calculated profiles for 37 lines were established. Doppler broadening, Lorentz broadening and hyperfine structure of lines were taken into account.

**Key words** [ATOMIC ABSORPTION SPECTROPHOTOMETRY](#) [ATOMIC EMISSION SPECTROMETRY](#)

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