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Regularities in the stark widths and shifts of spectral lines of singly-ionized aluminium

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Abstract

Based on semiclassical calculations the dependencies for singly-ionized aluminium enabling one to estimate the unknown values of the Stark line widths and shifts with an accuracy no less than 10-30% are obtained. Literature experimental data are analysed based on the AlIII line widths and shifts calculated according to these dependencies. Copyright © 1996 Elsevier Science Ltd.

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