

# **F P13** The dependence of energy distribution on the abundances of A-star atmosphere models

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We calculate energy distribution of the A-star atmosphere for different abundances of metals using adequate model atmospheres. The abundances considered are typical for chemically peculiar A-stars. We show that abundance of metals has a significant influence on the stellar energy distribution. We discuss the origin of this phenomenon and its consequences for the observed color indexes in standard photometric systems. The phenomenon studied can help to better understand the photometric variability of chemically peculiar A-stars.

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