

Phoenix spectra for determination of the fundamental stellar parameters

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We present a set of calculated spectra for stellar atmospheres. Temperature is varied from 2500-10000K, $\log g$ from 0.5 to 5.5, z from 0.5 to 2.5 and alpha enhancement -0.2 to +0.8. Our aim is to use these spectra as the basis for the principal component analysis and determination of the fundamental stellar parameters.