

MODEL ATMOSPHERES AND SPECTRA OF THE COOL HYDROGEN-DEFICIENT STARS AND
PECULIAR GIANTS.

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The method and results of the computation of the model atmospheres, spectra and spectral energy distributions of the hydrogen-deficient and chemically peculiar stars are discussed. The 1D models are computed with a special consideration of the particular problems encountered when computing model atmospheres for peculiar stars. Special attention is drawn for the opacity treatments in modelling atmospheres. Some computed model atmospheres computed for R CrB stars with different ratios H/He and carbon abundances are presented. Fits to observed SEDs of the Sakurai's object and some carbon-rich giants are used to test our models.