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Invited lecture

MODELS OF STELLAR ATMOSPHERES FOR EVOLUTIONARY MODELLING

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Abstract. In our contribution we will review recent modelling of stellar atmospheres using general stellar atmosphere code PHOENIX.. A grid of over four thousand models has been built with temperatures in the range from 3000-10000K, Z from -2.5 to +0.5 and different alpha element enhancement (from -0.2 to +0.8). Application to the better understanding of boundary condition between inner stellar structure and atmosphere and its consequences to the evolutionary modeling will be discussed.