

**PHOENIX - THE WAY FORWARD IN MODELLING OF STELLAR  
ATMOSPHERES**

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**Abstract.** We briefly describe the current version of the general stellar atmosphere code PHOENIX. We then present some illustrative results from the modelling of chromospheres of cool stars, supernovae and irradiated giant planets. Good fits to observations can be obtained, when account is taken for spherically symmetric, line-blanketed, static or expanding atmospheres. We conclude with an outline of developments and features which we intend to include in the PHOENIX in the next few years and their significance to future stellar atmosphere modelling.