2D NLTE CODE

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We are developing a new code capable of treating multidimensional problems. The rate equations are solved using a preconditioning technique using a local ALO. A formal solver, based on the mothod of short characteristics, is used for the continuum and the bound-bound transitions are treated using Sobolev approximation. The temperature corrections are done using a linearization of the electron termal balance equation. In this poster we present the code techniques and its performans in some test cases. The results are compared with CMFGEN.