

sci.math.num-analysis: Re: AE solver with bounded values for variables.

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*From:* hansm ([mittelmann\\_at\\_asu.edu](mailto:mittelmann_at_asu.edu))

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Hi,

there are both nonlinear equation solvers allowing bound constraints (for example NNES in <http://plato.asu.edu/topics/probelms/zero.html>) and general NLP solvers. In the latter I would not introduce a least squares objective because that softens the equations. I would either not have an objective at all if the solver accepts that or use  $f=0$  otherwise. For free NLP solvers in Fortran, see <http://plato.asu.edu/topics/problems/nlores.html#general>, both in the bound-constrained section and in the following sections (DONLP2 etc).

Hans Mittelmann