Semi-Infinite Programming (SIP)

National leading research in semi-infinite programming:

- Continue improving and enlarging the open source software
- Improve efficiency of reduction type methods
- Analyse theoretical properties of merit functions in reduction methods to evaluate solution quality
- Continue addressing practical problems in robot trajectory planning, air pollution and fed-batch control

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Publications

Software
SIPAMPL – Software (environment and problems database) for SIP with interface to AMPL.
NSIPS – Solver for SIP with interface to AMPL freely available. Also available in the NEOS server.