

Software Package: MAD-X

Authors / Main developers: http://mad.web.cern.ch/mad/module_keepers/module_keepers.html

Language(s) code written in: C, Fortran77 and Fortran90

Platforms supported: Linux, OSX and Windows

Compilers needed: Gfortran95, If95, nag

Major dependencies: None

Language(s) required to run code: C and Fortran

Size of user community: 100 to 200

Source code available from: <http://mad.web.cern.ch/mad/Introduction/source.html>

Type of repository (e.g. SVN): SVN and Pre compiled binaries

Main physics modelled: Beam tracking in rings

Limitations, extensions and projects:

Limitations: Only calculates Twiss in 4D, Does not track spins, Designed for rings so not very easy to use for linacs, Does not accelerate beams

Extensions: Contains PTC and PTC-FPP