

ReSe Applications Software:

MODO - Version 3.0

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About MODO

Modo is a scientific tool providing the below main features:

- MODTRAN interface (creation of tape5-s),
- Remote sensing sensors simulation,
- Fully embedded MODTRAN 4, v3 engine,
- Plot of the MODTRAN - outputs
- Extraction of spectra from the MODTRAN - output
- Convolution of spectra to variable spectral response characteristics
- Operating system independent implementation based on the IDL virtual machine technology

This software is provided 'as is' as commercial shareware. It may be distributed freely without special permission of the copyright holder. Any changes, decompilation, or commercial redistribution are not allowed.

Compatibility: MODO supports usually the most actual and the previous IDL version.

Please report any encountered problems, bugs, annoyances and so on to ReSe (info@rese.ch).

Good luck in modelling...

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SWITZERLAND

----- Disclaimer: -----

Nevertheless there's only limited support from my side concerning MODTRAN and its options. I decline any responsibility for possible damages invoked by the provided MODO-Application.

Installation

All ReSe software requires IDL or the IDL Virtual Machine to run on any operating system. IDL VM is available as free distribution directly from RSI/Kodak. The MODO installation process is as follows:

1. install the IDL virtual machine from CD/DVD or by downloading through <http://www.rsinc.com/idlvm> - please follow the installation instructions provided by RSI
(this step is void, if you got IDL/IDL VM/ or ENVI developer installed)
2. double click the file modo_installer.sav (on Windows) or enter on Unix/Linux/MacOSX:
`idl -vm="modo_installer.sav"`
Please follow the instructions as displayed during the installation process.
3. For licensing, go to the Help-Menu after starting MODO and choose 'License>Identify'. Please email the displayed outputs of this job together with your complete address and affiliation. You then will receive a license key file within a few days. Just let us know if you need any further assistance or product information.

Documentation:

Please refer to the online-help files and the provided user Manual (MODO_Manual.pdf) for use of the software. Also, the modtran4 users guide is included as PDF in the distribution.

A more complete Modtran Documentation is sold by Ontar Corporation.
(<http://www.ontar.com>) - 'APPENDIX C' of the users guide

Starting the Program

1. type 'idl' and type 'modo' (if you have a full IDL installation, and the file modo.sav is found)

---- or on IDL Virtual Machine: ----

Windows: double click the file modo.sav (situated in the /bin directory of your installation)

Unix/Linux/MacOSX: enter:

`idl -vm="modo.sav"` (optionally include full path)

2. enter the license key or start the program for one month evaluation time

Licensing

MODO is shareware and might be used at reduced price for educational purposes. If you still like it after a trial period of one month, please pay through

<https://order.kagi.com/?ACT>

or pay the shareware fee as cheque, direct payment or \$-bills to:

St. Galler Kantonalbank, St. Leonhardstrasse 25, P.O. Box 2063,
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If you are a registered user of MODO you may enter your name (exactly as given in your license confirmation) and the license code which you will obtain by e-mail after payment of the shareware fee and registration.

If you want to test MODO for 30 days evaluation, just press 'evaluation mode' and you will have full functionality with some nasty messages appearing inbetween. Please note that the evaluation mode expires after 30 days and you are expected to register if you want to use the software longer than that time.

More information about pricing and conditions at <http://www.rese.ch>. If you encounter problems, please contact info@rese.ch.

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The licensee acknowledges that it is not possible to produce software free of mistakes based on the current state of technology and that herewith errors in the software and its documentation can not be excluded.

The licensor is not liable for the correct installation of the software.

The shareware fee may be refunded within 3 months after software installation if the functionality is not given due to technical reasons (e.g., incompatibility to the available computer system). Any further liability for that reason is rejected.

The licensee shall report bugs and errors in the software immediately by e-mail to the Licensor.

Support and Maintenance

The Licensee agrees that the Licensor has no obligation to provide to the Licensee any maintenance, support, or update services.

Specifically, no support is provided regarding the MODTRAN4 software features.

The maintenance of the software is performed by means of the Internet (e-mail, Web, ftp) by the licensor.

General Clauses

This Agreement shall be construed in accordance with the laws of Switzerland. Place of Jurisdiction shall be St.Gallen, Switzerland.

The support of the Remote Sensing Laboratories of the University of Zurich for the initial development of this software is greatly acknowledged.

Note that the University of Zurich is not part of this license contract and thus is legally not involved in the software distribution.

3.2005, DS