

NTv2Creator - Modelling of NTv2 files from Identical Points

Language / Sprache

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Helpful links

https://www.killetsoft.de/bestell/ntc_be_e.htm

https://www.killetsoft.de/s_prei_e.htm

https://www.killetsoft.de/h_prod_e.htm

Online order form with current prices

Printable order form and current price list

Overview of the software distributed by KilletSoft

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Modelling of NTv2 files from Identical Points in two Reference Systems

NTv2Creator geosoftware provides a powerful tool for modelling accurate NTv2 files from identical points in two different Reference Systems. The software analyses two files with identical points and suggests the boundaries and mesh sizes which can then be changed manually. Finally, a highly accurate NTv2 file is generated using small-scale three-dimensional 7-parameter Helmert transformations around each grid point and subsequent Natural Neighbour Interpolation for residual gap distribution. NTv2Creator provides three different mathematical models for the modelling of NTv2 files. The newly modelled NTv2 binary file is verified by cross-calculation and the result is stored in a cluster field. Bad matching identical points are determined and suggested for rectification.

The network able program NTv2Creator is equipped with an up-to-date graphic user surface which handling can be understood intuitively. For each window detailed help texts can be shown. The program has user-selectable interfaces in English and German language and comes with extensive bi-language online help.

It is useful to purchase the program NTv2Tools in addition to the program NTv2Creator. With this program the newly modelled NTv2 files can be analysed and graphically visualised. The program is also suitable for assessing the quality of newly created NTv2 files. NTv2Creator always creates only one grid in a NTv2 file. NTv2Tools can merge several NTv2 files with one grid each into a single file with several grids.

Installer program ntv2creator_setup.exe

The program NTv2Creator is stored in a directory of a data carrier or is downloadable from the internet. In order to be able to use the program, it must be installed first.

The installation can be executed under Microsoft Windows 2000, NT, XP, VISTA, 7, 8, 10, 11 and compatible operating systems. The program runs with 32 bit and 64 bit operating systems.

Installation from a data carrier: Navigate to the NTv2Creator directory on the data carrier. Click on the installer program ntv2creator_setup.exe. The installation will start. Follow the instructions of the installer.

Installation from a ZIP file: After the download from the Internet or after copied from an email attachment use a ZIP decompression utility to decompress the ZIP file in a folder of your choice. In that folder locate the installer program ntv2creator_setup.exe and click it. The installation will start. Follow the instructions of the installer

Local installation on a workstation

The local installation on a workstation should be performed by a user, who must have write, read and execute rights for the installation directory. The installation directory should be a local directory on the workstation.

Examples:

c:\applications\ntv2creator

c:\programs\ntv2creator

In the installation directory automatically three subdirectories with then names "ProgData", "UserData" and "Info" will be created.

Example:

c:\applications\ntv2creator\ProgData

c:\applications\ntv2creator\UserData

c:\applications\ntv2creator\Info

The directories have the following contents:

ntv2creator:	Executables and DLLs
ntv2creator\ProgData:	Program data files for which reading access is necessary.
ntv2creator\UserData:	Test data for which reading access is necessary.
ntv2creator\Info:	ReadMe, history and info files and order form.

After finishing the installation on the workstation desktop a program icon as shortcut to the program NTv2Creator is available. The program can also be started directly from the installation directory by clicking on the program entry in WINDOWS Explorer.

Automatic creation of the data directory

The first time NTv2Creator is started, it will create a subdirectory "ntv2creator" under the directory referred to the systems environment variable "APPDATA". In this directory the user specific data will be written by the program. In a subdirectory "UserData" the user-generated files are stored as default. Here the supplied test data can be found.

Example:

c:\Users\fred\AppData\Roaming\ntv2creator
c:\Users\fred\AppData\Roaming\ntv2creator\UserData

with the content of the environment variable APPDATA:

c:\Users\fred\AppData\Roaming

The directories on the workstation have the following contents:

ntv2creator:	From the program needed files with user-relevant data, for which write access is required.
ntv2creator\UserData:	Test data and user-generated files, for which write access is required.

Network installation

Network installation should be performed by a network administrator, who must have write, read and execute rights for the installation directory. The network installation differs from the local installation only in that way, that the installation directory is on a network drive instead of a local drive.

Examples:

h:\applications\ntv2creator

or in network syntax:

\\allusers\applications\ntv2creator

In the installation directory automatically three subdirectories with then names "ProgData", "UserData" and "Info" will be created.

Examples:

h:\applications\ntv2creator\ProgData
h:\applications\ntv2creator\UserData
h:\applications\ntv2creator\Info

or in network syntax:

\\allusers\applications\ntv2creator\ProgData
\\allusers\applications\ntv2creator\UserData
\\allusers\applications\ntv2creator\Info

The directories have the following contents:

ntv2creator:	Executables and DLLs
ntv2creator\ProgData:	Program data files for which reading and writing access is necessary.
ntv2creator\UserData:	Test data for which reading access is necessary.
ntv2creator\Info:	ReadMe, history and Info files and order form.

After the network installation is finished the network administrator must start the NTv2Creator program from a workstation for the first time, so that the program performs the necessary initializations. An additional installation on the workstations is not necessary!

Now it is possible to paste the NTv2Creator program icon as shortcuts to the workstation desktops for starting the program. The program can also be started directly from the network installation directory by clicking on the program entry in WINDOWS Explorer.

Automatic client installation

When the network installation of the NTv2Creator program is complete, the users can start it from their

workstations. The first time NTv2Creator is started from a workstation, it will create a subdirectory "ntv2creator" under the directory referred to the systems environment variable "APPDATA". In this directory subdirectories will be created and the user specific data will be written to it. This behavior makes possible to use Terminal Services on WINDOWS Servers like e.g. "Citrix Terminal Server". In a subdirectory "UserData" the user-generated files are stored as default. Here the supplied test data can be found.

Example:

c:\Users\fred\AppData\Roaming\ntv2creator

c:\Users\fred\AppData\Roaming\ntv2creator\UserData

with the content of the environment variable APPDATA:

c:\Users\fred\AppData\Roaming

The directories on the workstation have the following contents:

ntv2creator: From the program needed files with user-relevant data, for which write access is required.

ntv2creator\UserData: Test data and user-generated files, for which write access is required.

Uninstallation

In the NTv2Creator start menu an icon is available for the complete uninstallation of the program.

Help

The help file contains global information to the program in form of an program intern electronic manual. The English or German language help can be called from the NTv2Creator start menu or from the menu item "help" while the program is running.

Unlocking

Please read information for the use of the free, but restricted test version and for the transfer of the test version into the unrestricted full version in the electronic manual.

Price list

Prices and a purchase order form for the order of the unrestricted full version of the program you will find during the program is running under the menu item "Help". Alternatively you can view and download the price list on our website (see below).

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