

NAME

nelsea - nelsis to seadif and seadif to nelsis converter

SYNOPSIS

nelsea [-options] [<cell_name>]

OPTIONS

<cell_name>

Nelsis cell to be converted.

[no argument]

Convert everything in celllist (implies no **-r**).

options to control the direction of the conversion:

[default]

Convert from nelsis into seadif.

-r

Reverse conversion: convert from seadif into nelsis.

options to control what should be converted:

-L Convert layout view only (default: do both).

-C Convert circuit view only (default: do both).

-m <map_file>

Convert the list in <mapfile> (implies no arguments).

-f <sdf_fun>

Set seadif function name (default: <cell_name>).

-c <sdf_cir>

Set seadif circuit name (default: <cell_name>).

-l <sdf_lay>

Set seadif layout name (default: <cell_name>).

-a

Do not make or use seadif cell Aliases.

-H

Convert <cell_name> only (default: hierarchical).

options related to nelsis:

-i Make the nelsis cell without the basic image.

-v Write vias as model calls instead of boxes.

-F Write placement also in floorplan view.

-x <x_size>

Force horizontal array size to x_size (>= 1).

-y <y_size>

Force vertical array size to y_size (>= 1).

-E <list>

Exclude the objects in <list> from being read. Example: **-E tmv13** leaves terminals, MC's vias and layers 1 and 3.

misc. options:

-p Print seadif environment for project and quit.

-M Create an empty template mapfile only.

-d <libname>

Seadif library name (default: 'Oplib').

-V

Verbose parsing of image file: print all unknown keywords.

-h

Help: print list of options.

-q Quiet option: print nothing.

DESCRIPTION

Nelsea is a program that convert data between the Nelsis and the Ocean Sea-of-Gates database.

EXAMPLE

To produce the nelsis layout of cell nand2 use:

```
% nelsea -i nand2
```

AUTHORS

Paul Stravers, Patrick Groeneveld

FILES

proj_dir/image.seadif (technology file)