

NAME

makedela - auxiliary program for substrate resistance extraction

SYNOPSIS

makedela [-01DdenvwX] [-E file] [-m maxmem] cell [...]

OPTIONS

- 0** using sub_res interpolation method 0.
- 1** using sub_res interpolation method 1.
- D** delete the input file "cont_aln" from the database when ready.
- Efile** use *file* as the element definition file (default "space.def.t" in the ICD process library).
- d** print debugging information.
- e** eliminate substrate node conductances.
- n** no decrease sub_res method.
- v** verbose mode.
- w** generate information for *space* for drawing the Delaunay triangulation.
- x** generate a PIC representation of the Delaunay triangulation in a file "*cellname*.pic".
- mmaxmem**
 use *maxmem* (default 1) MByte of main memory for sorting of edges.

DESCRIPTION

Makedela is an auxiliary program for *space* (*IICD*) that is used for fast substrate resistance extraction. *Makedela* uses a Delaunay triangulation to calculate the distances between the different substrate contacts. *Makedela* uses *selfsubres* and *coupsubres* data (as specified in a *space* technology file) to calculate the substrate contact conductance values. *Makedela* takes as input line segments from a stream "cont_aln" and contact positions + area / perimeter data from a stream "cont_pos" (produced by *space* during a first pass) and produces as output a stream called "subres" (read by *space* during a second pass). *Makedela* is automatically invoked by *space* (*IICD*) when using the option **-b** for fast substrate resistance extraction.

AUTHOR

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SEE ALSO

space (*IICD*).