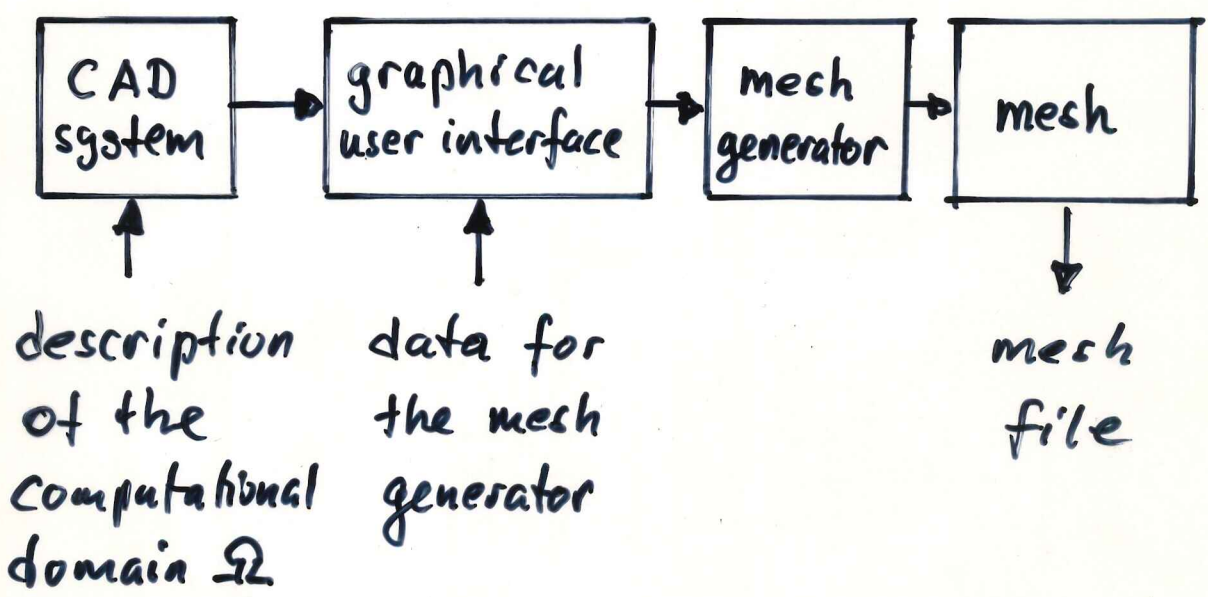


3. The use of automatic mesh generators:

An automatic mesh generator usually requires a description of the boundary $\partial\Omega$ of Ω or a decomposition of Ω into subdomains $\bar{\Omega} = \bigcup_e \bar{\Omega}_e$ and a description of the boundaries $\partial\Omega_e$ of the subdomains Ω_e . In addition to this, the mesh generator needs some information about the fineness (h) of the mesh, e.g. by providing the distribution of the nodes on the subdomain boundaries $\partial\Omega_e$



Examples:

NETGEN : <http://www.hpfem.jku.at/netgen/index.html>

SPIDER : <http://www.meshing.at>
 - - - .org

Mesh generators in the web:

<http://www-users.informatik.rwth-aachen.de/~roberts/software.html>
 → Robert Schneiders

<http://www.andrew.cmu.edu/user/sowen/mesh.html>
 → Steve Owen