CODYBA

Dynamical Behaviour for Buildings

This software determinates the heat flows in a building. It is aimed for design offices, teaching and research organisms.
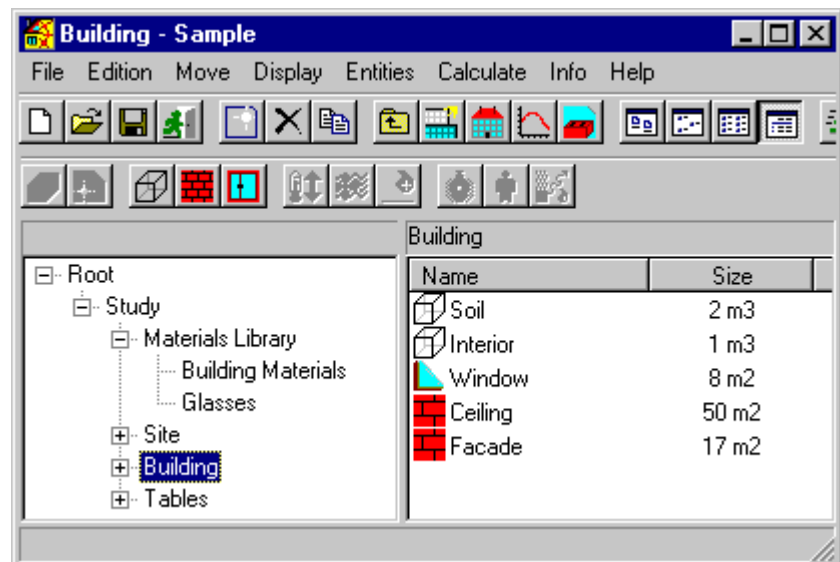
CODYBA software permits to estimate the instant heating or cooling powers needed to maintain a given set-point, or to calculate the interior temperatures when the heating or cooling system is insufficient. Humidity is treated in the same way.

Its particularity is that the input entities are those currently utilised by the professionals, while the calculation models are treated in a transparent manner.

Within the interface, each "entity" is associated to a graphical representation, that permits to manipulate it by operations of "copy", "paste", "drag-and-drop" type.

The input screens are accessible by double-click of the mouse.

The basic data are the building geometry and constitution :
- **walls** (with the materials of layers and the surface parameters)
- **windows** (possibility for solar masks)
- **air volumes**

The main parameters are :
- **the climate** : several meteorological files for different towns in the world are supplied
- **internal loads** (from lighting, persons, diverse machines)
- **regulators** (powers and set-points for temperature, humidity and ventilation)

Internal loads and regulators can have powers or control parameters as a **time dependent function**.

Tracing functions permit to visualise the results or to export them to data processing software.

An **on-line help** with samples is always accessible to guide the user for the input sessions choices.

CODYBA

Required hardware : **Windows 95/98/NT/2000/XP**, Pentium, 20 Mo RAM, 12 Mo disk

Base price of the monozone version (1Z)

1 post : 499 euros net of VAT
n posts ("site" licence) : 1250 euros net of VAT

Base price of the multizone version (NZ)

1 post : 999 euros net of VAT
n posts ("site" licence) : 2500 euros net of VAT

Special price for Department of Education (and training organisms) : ½ * Base price

These prices include free port and are available till 31/12/2004. No VAT, but for EC (19.6 %). The "site" licence corresponds to an unlimited number of posts on the same workplace. Upgrade from version 1Z to version NZ is made by price gap between the versions.

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Demand of CODYBA demonstration version (addressed to CETHIL-ETB /Jean NOËL, this version compared to the commercial version, only contains a special message)

Name :

Organism :

Address :

Or free download : http://www.jnlog.com/download.htm