

## STM+

### Conituous Beam Steel

The STM+ program calculates single and multi-span steel beams.

As a special case, a cantilever can be chosen.

Superposition and design are done automatically.

The output is compact and can be configured in small parts.

The program is designed for a graphically interactive way of working.

#### Standards

- DIN EN 1993
- ÖNORM EN 1993
- EN 1993

#### Wizzard

Simple basic system:

With a wizard you can make the necessary entries for a simple

system.

This basic system can then be easily modified and supplemented with the graphical interactive input.

#### Supports/clamps

Supports in the Z direction (and in the case of biaxial loading in the Y direction) and for the rotation about the Y axis can be entered. In each case, there is the possibility of rigid support or the input of a spring value. A column settlement at the individual supports can be specified. Alternatively, the spring values can also be calculated from a column, which can be defined below and / or above the beam, by the program and then taken over for the beam calculation. For the proof of stability, the continuous support can be defined on

the cross section. In this case, a distinction is made between the position of the fixed support in the longitudinal direction of the beam and the position at the cross section.

#### Loads

Load types: uniform, trapezoidal, triangular, single load and single moment.

#### Interfaces to further programs

- Lateral Torsional Buckling Analysis II. Ord. BTII+
- Framework RSX+

#### Additional options

- STM-2 biaxial
- STM-S stability

