

# BBR

## Slope Failure Analysis

The BBR application allows slope failure analyses in accordance with the method of slices by Bishop. The following standards are implemented

### Standards

- DIN EN 1997-1
- ÖNORM EN 1997-1
- BS EN 1997-1
- DIN 1054

### Scope of performance

- Interactive graphical input via the mouse supported by an input grid and an object capture function.
- Slip circle variations for rectangular and circular areas to be examined.
- Definition of ground polygons, ground partitions, constraint points, seepage line polygons, loads, waters as well as ground layers variable in thickness and depth.

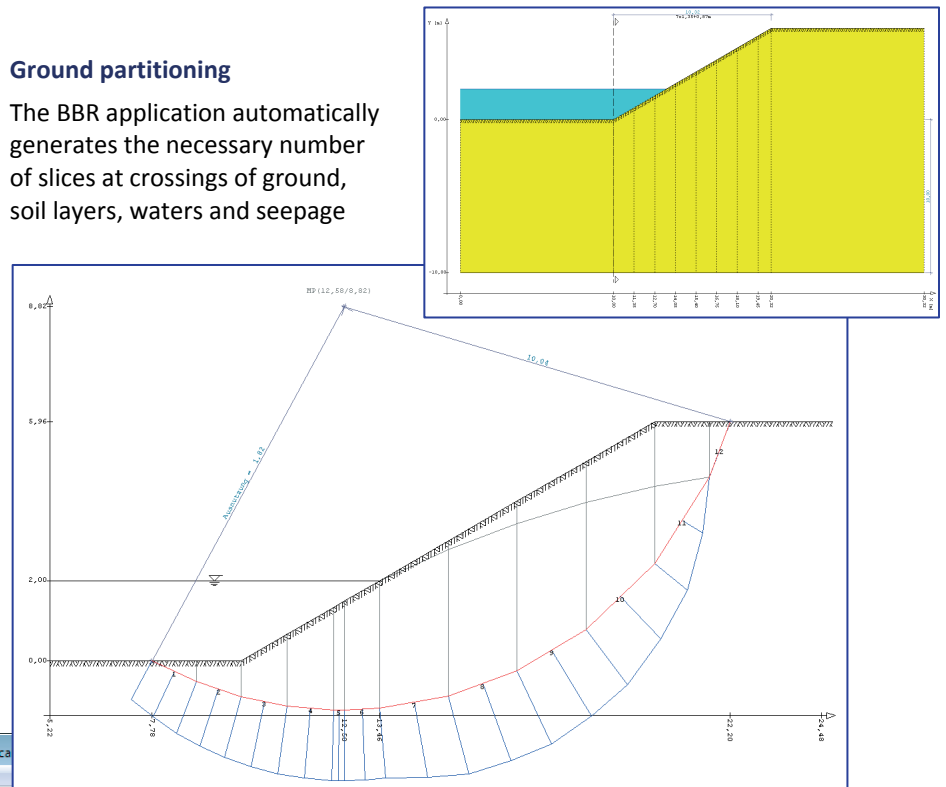
### Assistant

The assistant allows you to define quickly simple systems with the help of essential parameters such as abrupt topographical changes and the number of soil layers. These basic systems can be refined subsequently.

line functions. In addition to this, you can define ground partitions which have an effect on the size of the generated slices.

### Ground partitioning

The BBR application automatically generates the necessary number of slices at crossings of ground, soil layers, waters and seepage



**BBR Slope Failure Analysis U1/2017 - Item: BBR-U02 ( Project: Loca**

File Edit Options View Window Help

- basic settings
- system
- loads
- design
- output
- additional options

**assistant**

**standard**

slope failure standard: BS EN 1997-2007

remarks:

**settings**

seepage line:

width of fins	max [m]	1,00
minimum number of fins	i [-]	10
minimum thickness of fin	dGK [m]	1,00
maximum depth of the lowest layer of soil	t [m]	-10,00
grid	Ra [cm]	10
Tolerance catch objects	OF [cm]	20

Y [m] 9,97

MP (15,82/9,97)  $\mu = 0,70$

10,00

0,00

-10,00

X [m] 15,00 15,02 25,00 35,00

2727,75 -2340,22 0,00 24.03.2017 15:25