Program Details

Article number
ggu-02-006

Operating System
Windows XP/Vista/7/8/10

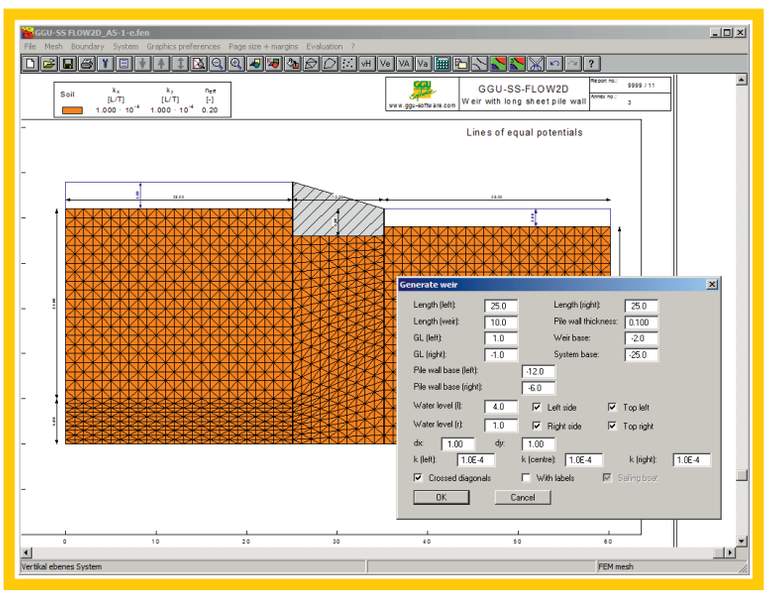
PROGRAM GGU-SS-FLOW2D
GEOHYDRAULIC COMPUTATION

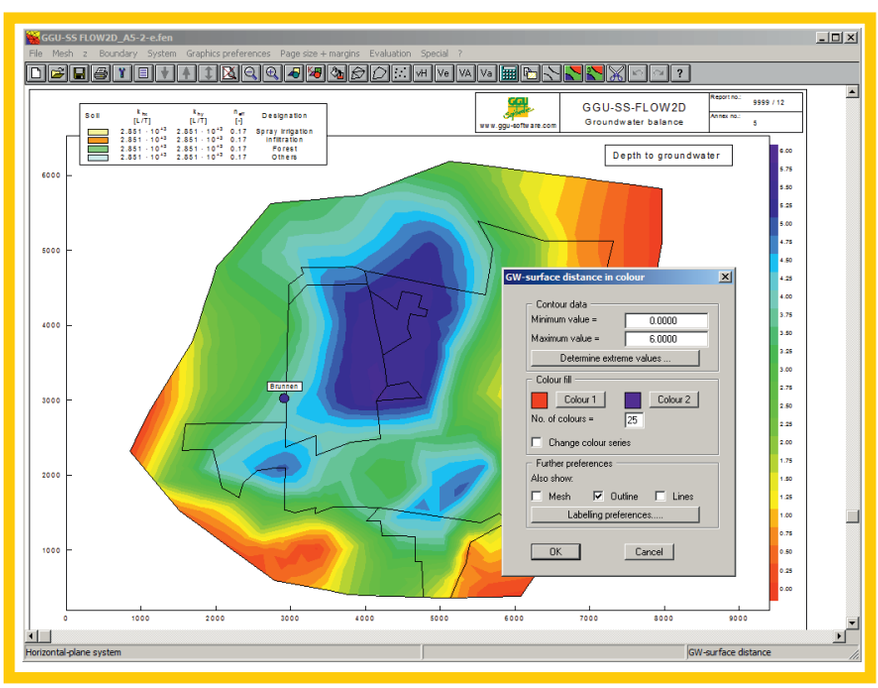
Description

GGU-SS-FLOW2D *– Modelling of steady-state groundwater flow in*
- *horizontal-plane,*
- *vertical-plane,*
- *axis-symmetrical,*

two-dimensional groundwater systems using the finite-element method.

Capabilities:
- *Powerful mesh generator with mesh refinement and mesh optimisation*
- *Mesh import, e.g. from SMS program (Surface-Water Modeling System)*
- *Import of ASCII data*
- *FEM mesh coordinates can be imported from a table via the Windows clipboard*
- *Consideration of leaky aquifer, seepage lines and unsaturated zones*
- *Definition of layer boundaries using fixed values or an interpolation mesh (ASCII data import from the GGU-GEO-GRAPH program)*
- *Graphically oriented data input and editor for fixed boundary conditions such as potentials and point, linear or area sources*
- *Adopts standard values for kr = f(u) and visualisation as contours*
- *Easy-to-use evaluation routines*
- *Dynamic damping*
- *Colour supported presentation of results such as normal, coloured or 3-dimensional contour lines, tables or circle diagrams*
- *Evaluation and presentation of potentials, velocities vx, vy and discharge in user-defined sections*
- *Evaluation and coloured presentation of seepage velocities and gradients*
- *Evaluation and presentation of groundwater thickness, groundwater-surface distance, confined areas and “dry” areas*
- *Evaluation and presentation of flow lines with distance and time increment*
- *Calculates a differential contour diagram from two existing groundwater models and visualises them as normal, colour-filled or 3D contours*
- *Automatic transfer of steady-state data to the GGU-TRANSIENT and GGU-CONTAM-FE/-RW programs for transient analysis*
- *Interface for the program GGU-3D-SSFLOW (3-dimensional groundwater systems)*
- *Autosave function*
- *User-defined design of output sheet*





- *Print or copy screen sections, e.g. for transfer to a word processor*
- *Integrated Mini-CAD system for additional annotation of graphics*

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www.ggu-software.com	GGU-SS-FLOW2D Steady state groundwater flow	Report no.: 9999 / 03 Annex no.: 5

Vertical-plane groundwater system
Lines of equal water levels along dam section