

## PRECIS

This volume contains descriptions of some special features of *UDEC*.

The structural element models in *UDEC* are discussed in [Section 1](#). Four types of structural elements can be used: local reinforcement, cable elements, beam elements and structural supports (props).

Modeling of fluid flow in joints is explained in [Section 2](#). Several examples, including thermal coupling, are presented.

[Section 3](#) describes the thermal model, and presents several verification problems that illustrate its application with and without mechanical stress.

[Section 4](#) contains a description of dynamic modeling in *UDEC*. Special considerations for running a dynamic analysis are provided, and several verification examples are included.

