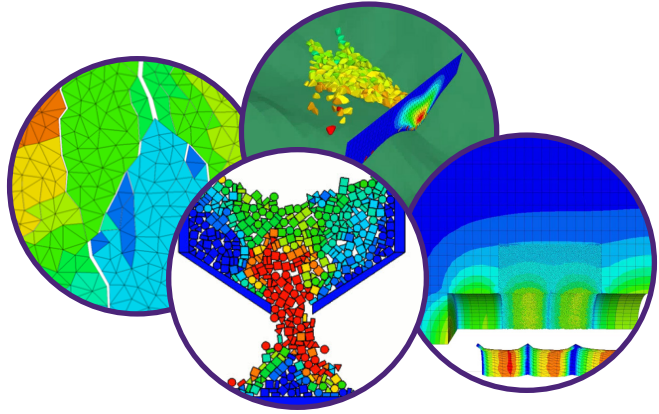




PFC™ VERSION 6.0

General Purpose Distinct-Element Modeling Framework

Itasca's latest DEM product provides major enhancements for modeling, software interoperability, and updated graphics.



New in Version 6

- In addition to balls and clumps, convex rigid blocks (for non-spherical objects and bonded-block models) are now available
- FLAC3D 6 integration with PFC3D 6, including structural elements (beams, cables, shells), interface coupling between balls and zones, and domain bridging for dynamic models
- New contact models to simulate adhesion and soft-bonds
- Results files, updated graphics, Remote Desktop (RDP) compatibility, integrated Help panel, save file compatibility for future versions
- The latest PFC 5 update can save files that PFC 6 can import and restored

Simplified Model Creation

- Practical and straightforward material property assignments
- Simple commands for controlling particle sample size distribution, target porosity, etc.
- Powerful periodic space support for particles and contact models
- Discrete Fracture Networks (DFNs) can be generated using imported fracture statistics
- A revised material-modeling support package for PFC 6 will be available shortly

Advanced Graphical User Interface

- Query tools for interactive display of particle properties (e.g., ID, radius, velocity, spin, etc.)
- Advanced post-processing including easy-to-use and customize high-quality animation scripts
- Built-in text editor for writing data files and scripts, including syntax highlighting and validation
- Stereonet and rosette charts for rock mechanics applications

More Powerful Scripting

- Scripting with both Python and FISH gives access to every variable and sub-model in the simulation
- A FISH-variable explorer allows users to view variable values during model creation and simulation
- The flexibility of open-source software with the power and support of a commercial program

Powerful Physics

- Long-range interactions based on distance at which contacts are created (Electro-magnetic, gravity and capillary interactions)
- Easy coupling with any open-source Computational Fluid Dynamics software or computational force field simulator
- Easy gradual addition of any quantifiable physics using deep scripting
- Best-documented, most trusted, and most referenced DEM software over the last 20 years
- Available both in 2D (PFC2D) and 3D (PFC Suite)

www.itascacg.com/whats-new-in-pfc-60