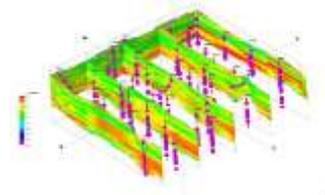


Fence Diagrams

Create three-dimensional slices through surface-based models, as well as block models. These features are included in RockWorks Levels 4 and 5. These features are **included in RockWorks Levels 4 and 5**.

Types of geologic and numeric data that can be represented in interpolated fence diagrams:

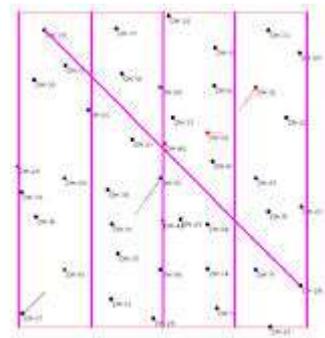
- Lithology distribution
- Stratigraphic layers
- Quantitative data distribution (geochemistry, geophysics, geotechnical)
- Colors
- Fracture proximities
- Aquifer surfaces



A fence diagram based on lithology data, with superimposed downhole data logs

Panels are easy to draw in a map window; select from regular, pre-configured layouts or draw your own. Or, give the program a list of panel endpoints.

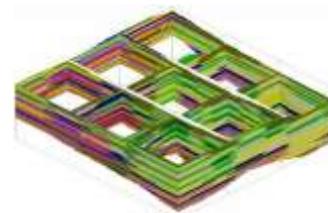
3D strip logs can be appended automatically. Automatic panel location maps are available.



Fence selection map in RockWorks

Lithology Fences

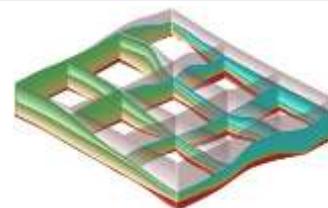
- Display your interpolated lithology in fence panels
- Include a lithology color legend and view volumes of the lithology types in the 3D window



RockWorks fence diagram representing interpolated lithology

Stratigraphy Fences

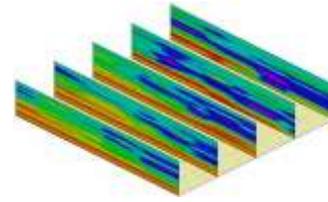
- Display interpolated stratigraphic surfaces in fence panels, or display "straight" linear correlations
- Include a stratigraphy color legend
- Turn individual layers on and off
- Stratigraphic fences can be created in Shapefile format for display in ArcScene®



Stratigraphy fence diagram showing interpolated surfaces

Quantitative Data Fences

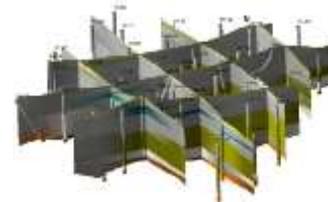
- Display slices of your interpolated geochemistry, geophysical, geotechnical, or other quantitative data in 3D fence panels
- Include color legends
- Display in combination with an isosurface, and/or append stratigraphic surfaces for reference



Fence diagram from model of cone penetrometer data

Color Model Fence Diagrams

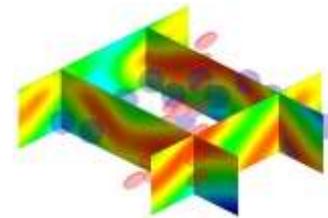
- Display slices of your interpolated color models in 3D fence panels.
- Display in combination with other models, stratigraphic and aquifer layers, etc.



Fence diagram of a color model representing clay colors

Fracture Fences

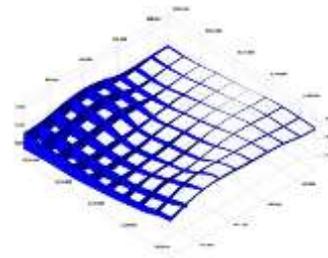
- Model fracture locations in 3D and display slices of the model as fence panels
- Append fracture discs on 3D logs
- Include a legend to colors and distances



Fence diagram taken from fracture data model

Aquifer Fences

- Display aquifer surface and base in 3D fence panels
- Combine with an isosurface representing a contaminant plume
- Float a reference map above the image



Fence diagram from aquifer model