LEAPFROG GEO



SURFACE TYPES

Leapfrog Geo 5.0

LEAPFROG GEO 5.0 SURFACES

CORE CONTACT SURFACE TYPES

Deposit Erosion Intrusion Vein

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S	New <u>D</u> eposit
Ű	New Erosion
	New Intrusion
\otimes	New Vei <u>n</u>
۹	New Structural Surface
÷	New Vein Syste <u>m</u>
#	New <u>S</u> tratigraphy
	<u>V</u> iew All
ŧ	P <u>r</u> ioritise
7	Properties

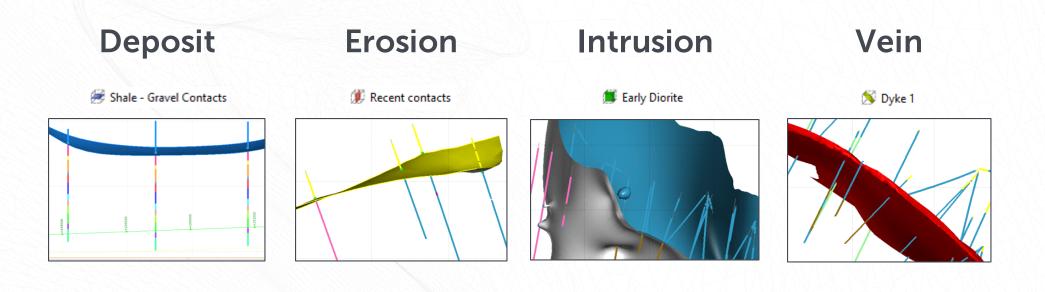
From Base Lithology...
From Other Contacts...
From Polyline...
From GIS Vector Data...
From Structural Data...
From Points...
From Offset Surface...
From Surface...

SPECIFIC FUNCTION SURFACES

Structural Offset Vein System Stratigraphy

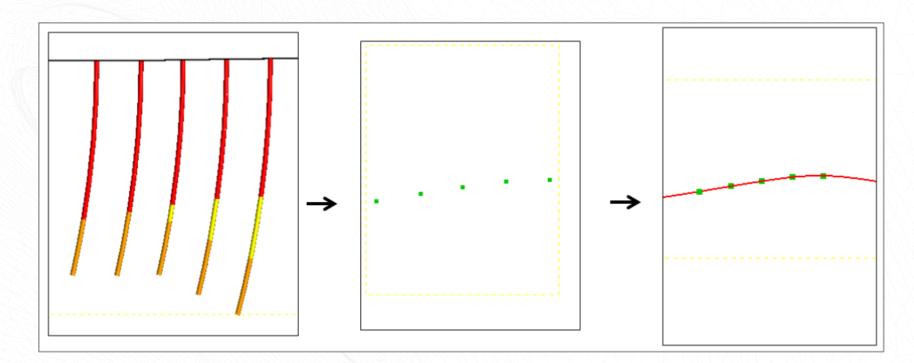
LEAPFROG GEO 5.0 SURFACES

CORE CONTACT SURFACE TYPES



DEPOSIT AND EROSION SURFACE

One set of contact points – above **OR** below the unit of interest

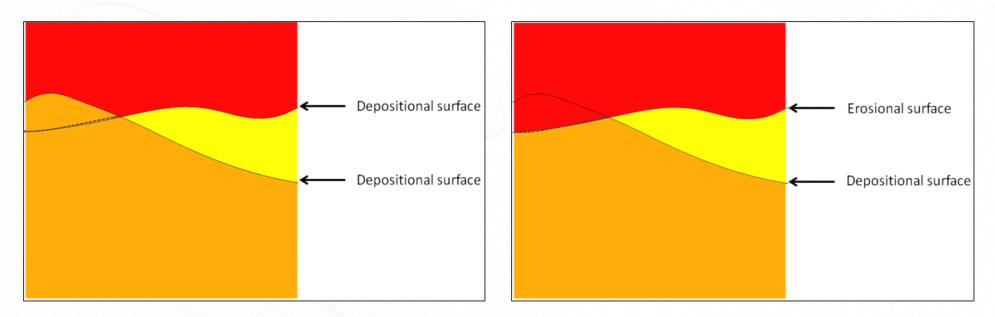


Only ONE contact point per unit per drillhole

DEPOSIT AND EROSION VOLUMES

Deposit Surface

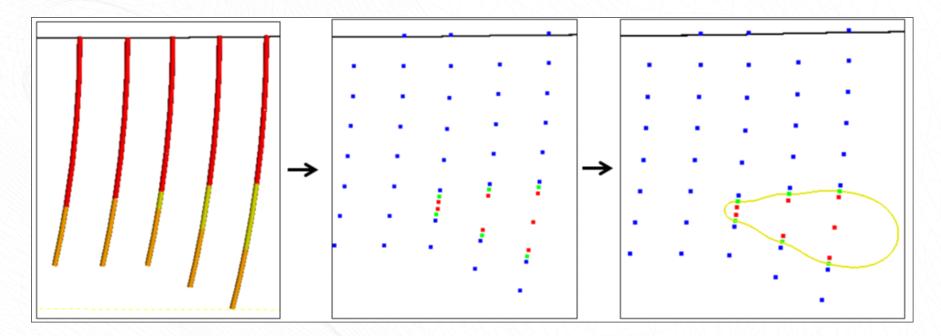
Erosion Surface



Cannot cut into an underlying older unit

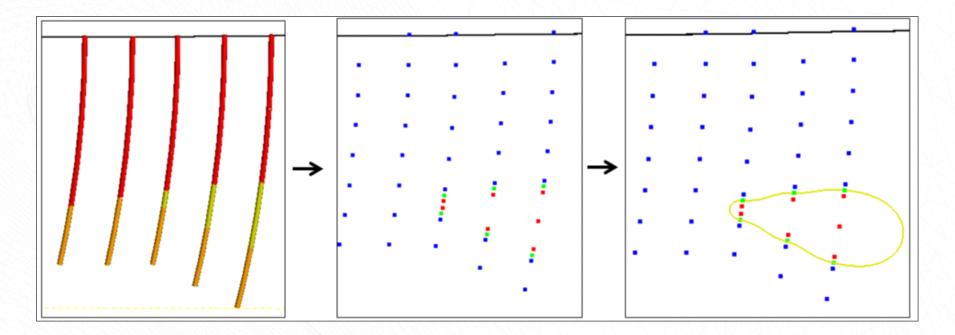
Can cut into an underlying older unit

One set of contact points – above AND below the unit of interest



Can have MULTIPLE contact points per unit per drillhole

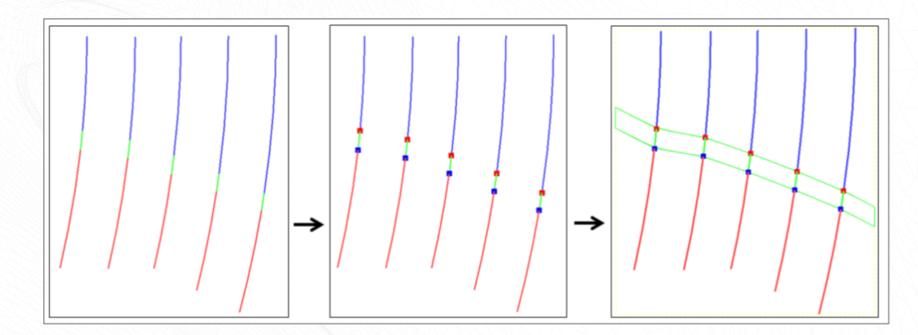
INTRUSION VOLUMES



Encloses the unit of interest

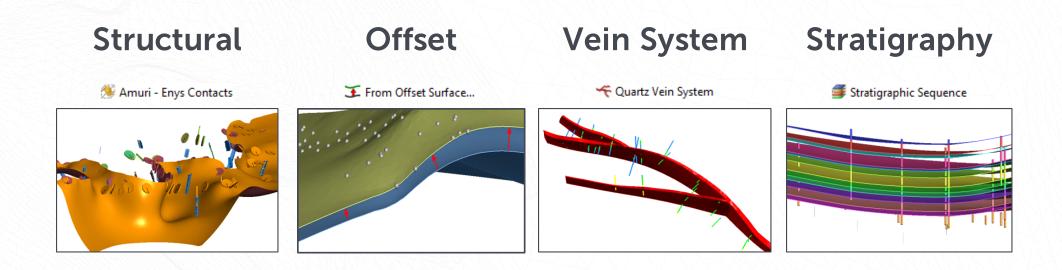
VEIN SURFACE

Two sets of contact points – above **AND** below the unit of interest



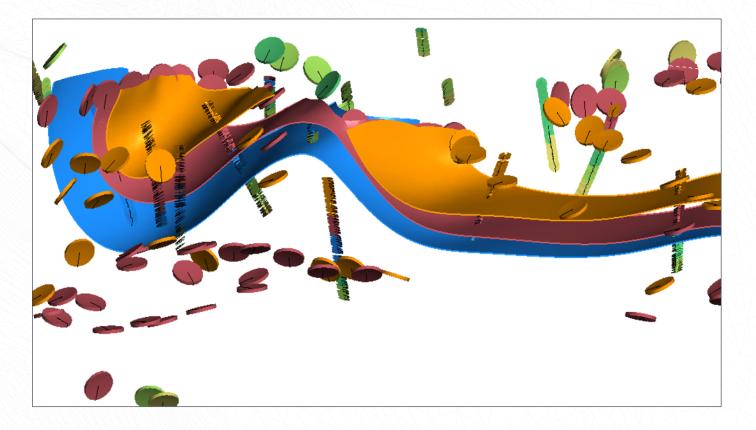
Creates a Hanging wall (HW) set AND Footwall (FW) set of contact points

SPECIFIC FUNCTION SURFACES



STRUCTURAL SURFACE

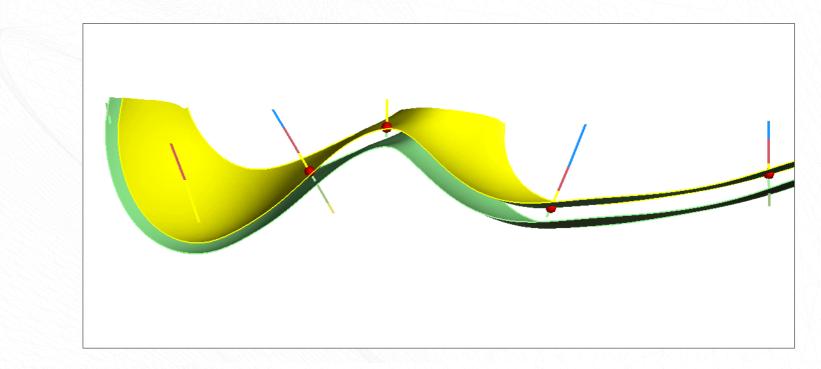
Incorporates **non-contact** structural data with on-contact data (drillholes, surface mapping)



Can be used for a **Deposit**, **Erosion** or **Intrusion** contact type

OFFSET SURFACE

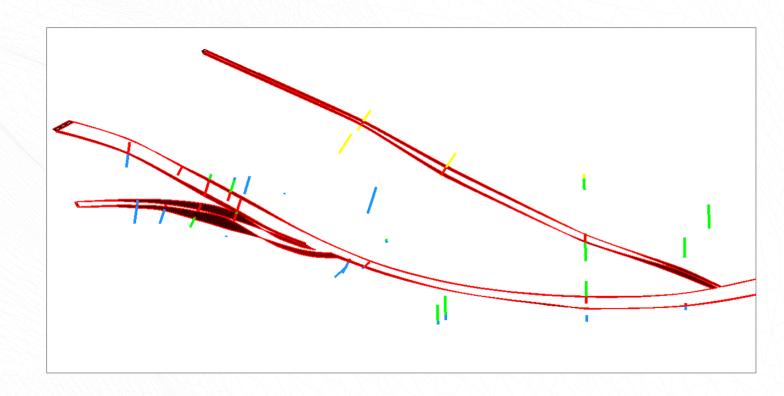
Maintains **consistent offset** while **honouring** contact points – for stratigraphy with common deformation



Can be used for a **Deposit** or **Erosion** contact type

VEIN SYSTEM SURFACE

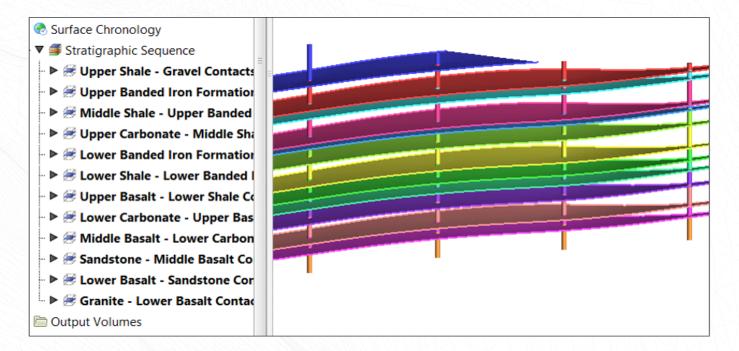
Combines individual veins into a **single interconnected system** of veins



Can be used for a Vein contact type

STRATIGRAPHIC SEQUENCE

Generates **multiple** surfaces in a stratigraphic sequence in a **single pass**



Can be used for a **Deposit** or **Erosion** contact type