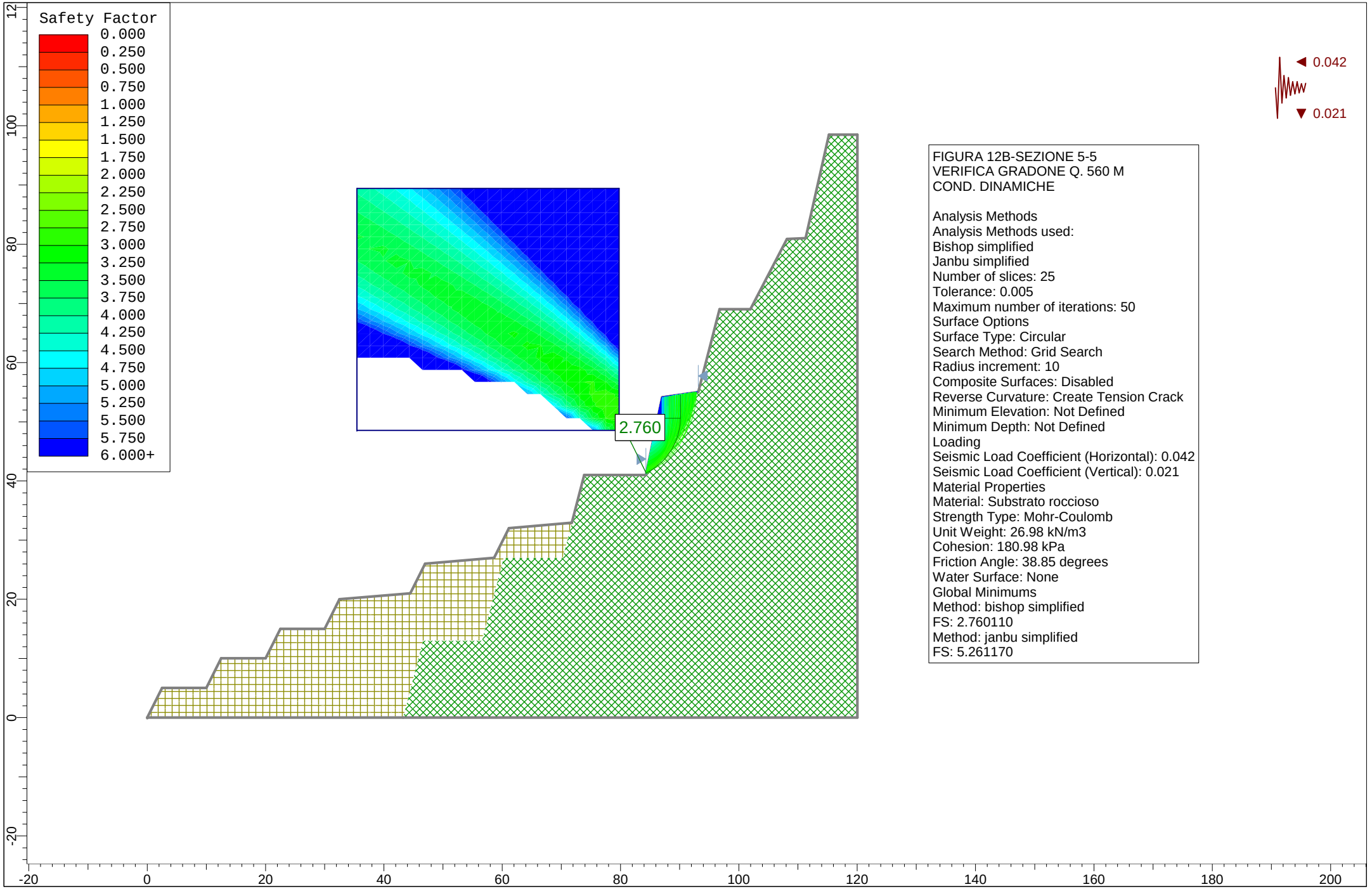

Safety Factor
0.000
0.250
0.500
0.750
1.000
1.250
1.500
1.750
2.000
2.250
2.500
2.750
3.000
3.250
3.500
3.750
4.000
4.250
4.500
4.750
5.000
5.250
5.500
5.750
6.000+
0.042
0.021
2.760
FIGURA 12B-SEZIONE 5-5
VERIFICA GRADONE Q. 560 M
COND. DINAMICHE
Analysis Methods
Analysis Methods used:
Bishop simplified
Janbu simplified
Number of slices: 25
Tolerance: 0.005
Maximum number of iterations: 50
Surface Options
Surface Type: Circular
Search Method: Grid Search
Radius increment: 10
Composite Surfaces: Disabled
Reverse Curvature: Create Tension Crack
Minimum Elevation: Not Defined
Minimum Depth: Not Defined
Loading
Seismic Load Coefficient (Horizontal): 0.042
Seismic Load Coefficient (Vertical): 0.021
Material Properties
Material: Substrato roccioso
Strength Type: Mohr-Coulomb
Unit Weight: 26.98 kN/m3
Cohesion: 180.98 kPa
Friction Angle: 38.85 degrees
Water Surface: None
Global Minimums
Method: bishop simplified
FS: 2.760110
Method: janbu simplified
FS: 5.261170
120
100
80
60
40
20
0
-20
-20
0
20
40
60
80
100
120
140
160
180
200