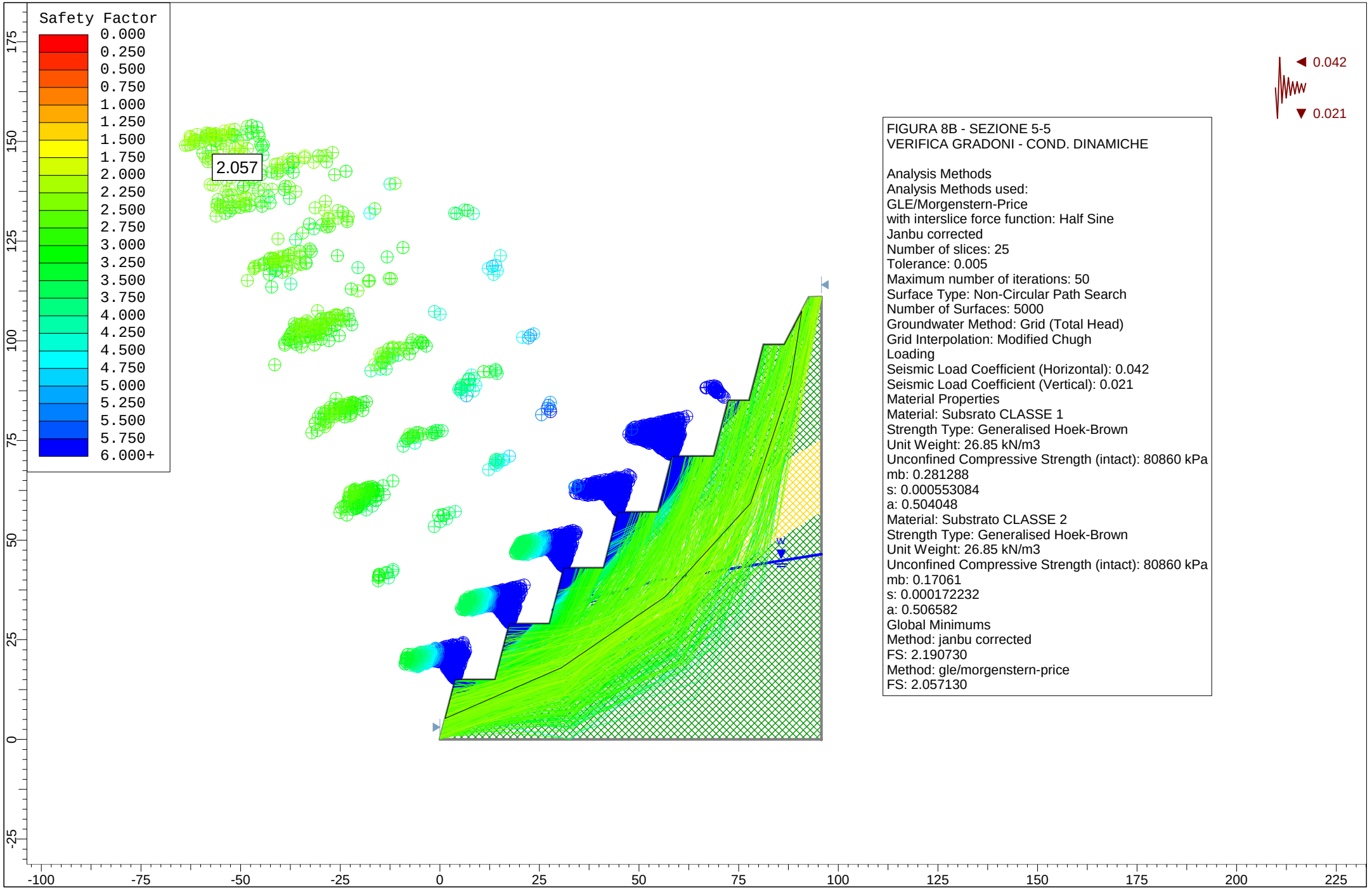

Safety Factor
0.000
0.250
0.500
0.750
1.000
1.250
1.500
1.750
2.000
2.250
2.500
2.750
3.000
3.250
3.500
3.750
4.000
4.250
4.500
4.750
5.000
5.250
5.500
5.750
6.000+
2.057
0.042
0.021
FIGURA 8B - SEZIONE 5-5
VERIFICA GRADONI - COND. DINAMICHE
Analysis Methods
Analysis Methods used:
GLE/Morgenstern-Price
with interslice force function: Half Sine
Janbu corrected
Number of slices: 25
Tolerance: 0.005
Maximum number of iterations: 50
Surface Type: Non-Circular Path Search
Number of Surfaces: 5000
Groundwater Method: Grid (Total Head)
Grid Interpolation: Modified Chugh
Loading
Seismic Load Coefficient (Horizontal): 0.042
Seismic Load Coefficient (Vertical): 0.021
Material Properties
Material: Subsrato CLASSE 1
Strength Type: Generalised Hoek-Brown
Unit Weight: 26.85 kN/m3
Unconfined Compressive Strength (intact): 80860 kPa
mb: 0.281288
s: 0.000553084
a: 0.504048
Material: Substrato CLASSE 2
Strength Type: Generalised Hoek-Brown
Unit Weight: 26.85 kN/m3
Unconfined Compressive Strength (intact): 80860 kPa
mb: 0.17061
s: 0.000172232
a: 0.506582
Global Minimums
Method: janbu corrected
FS: 2.190730
Method: gle/morgenstern-price
FS: 2.057130
175
150
125
100
75
50
25
0
-25
-100
-75
-50
-25
0
25
50
75
100
125
150
175
200
225