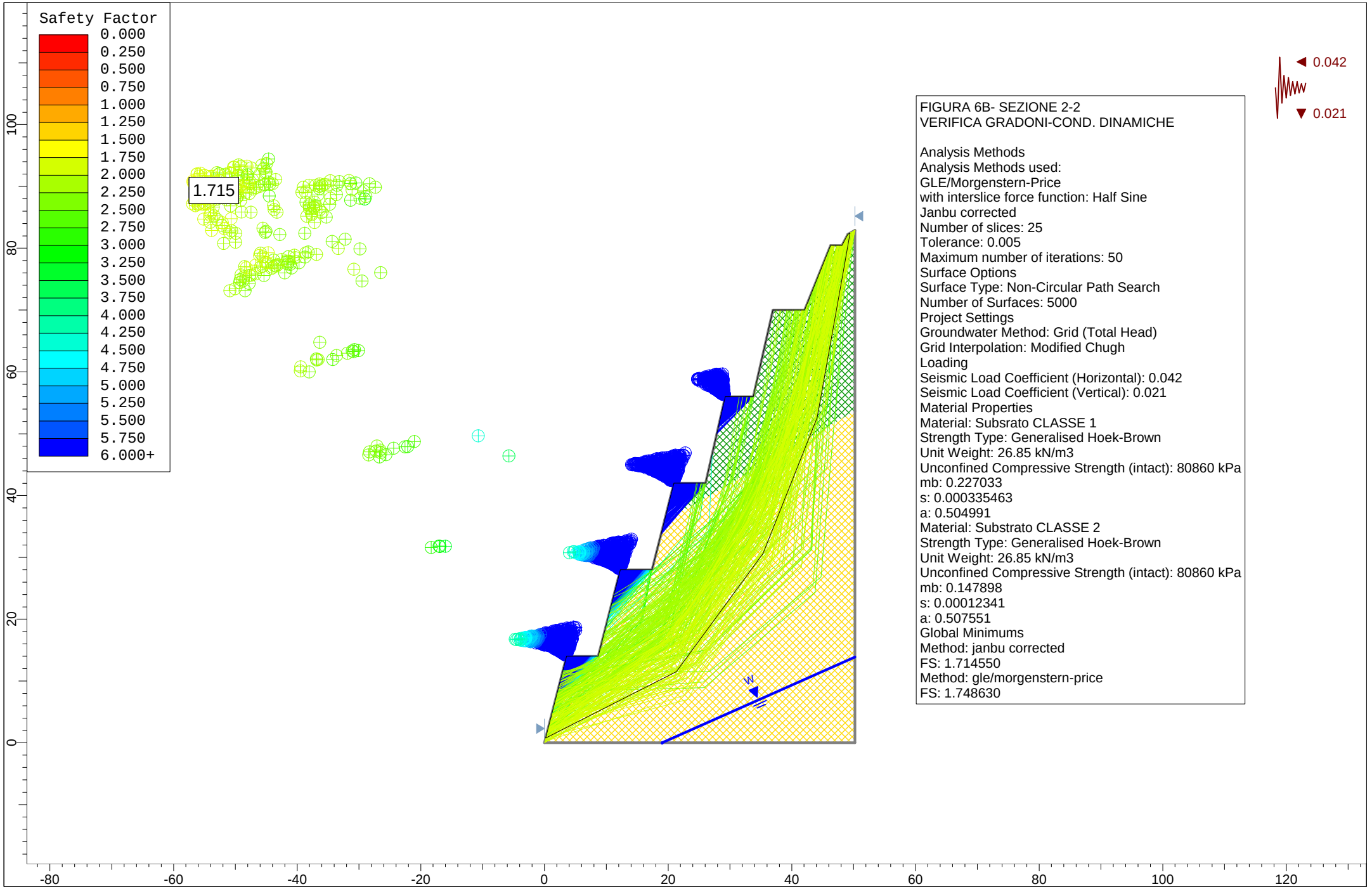

Safety Factor
0.000
0.250
0.500
0.750
1.000
1.250
1.500
1.750
2.000
2.250
2.500
2.750
3.000
3.250
3.500
3.750
4.000
4.250
4.500
4.750
5.000
5.250
5.500
5.750
6.000+
1.715
0.042
0.021
FIGURA 6B- SEZIONE 2-2
VERIFICA GRADONI-COND. DINAMICHE
Analysis Methods
Analysis Methods used:
GLE/Morgenstern-Price
with interslice force function: Half Sine
Janbu corrected
Number of slices: 25
Tolerance: 0.005
Maximum number of iterations: 50
Surface Options
Surface Type: Non-Circular Path Search
Number of Surfaces: 5000
Project Settings
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: 0.227033
s: 0.000335463
a: 0.504991
Material: Substrato CLASSE 2
Strength Type: Generalised Hoek-Brown
Unit Weight: 26.85 kN/m3
Unconfined Compressive Strength (intact): 80860 kPa
mb: 0.147898
s: 0.00012341
a: 0.507551
Global Minimums
Method: janbu corrected
FS: 1.714550
Method: gle/morgenstern-price
FS: 1.748630
W
100
80
60
40
20
0
-80
-60
-40
-20
0
20
40
60
80
100
120