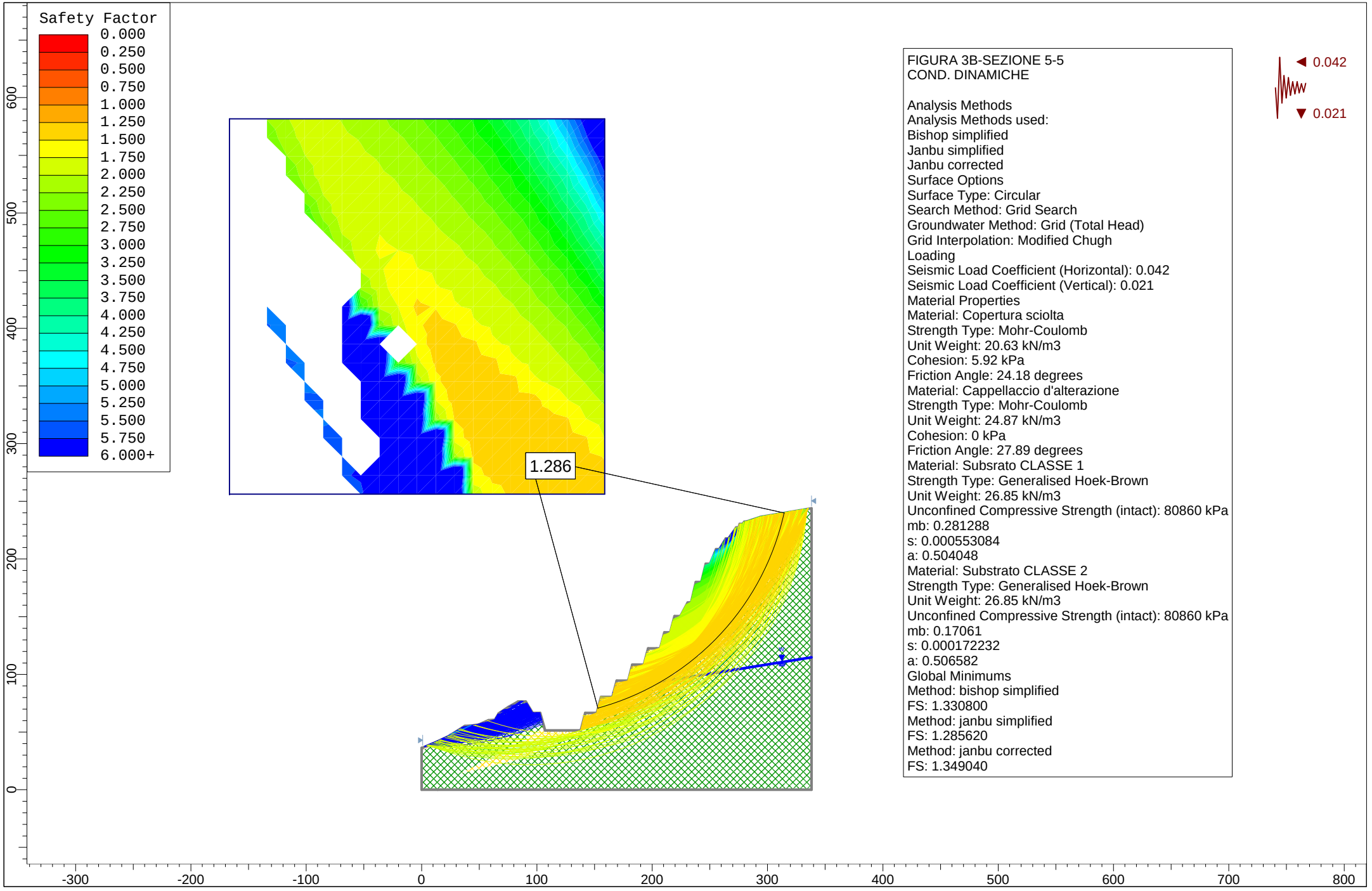

Safety Factor
0.000
0.250
0.500
0.750
1.000
1.250
1.500
1.750
2.000
2.250
2.500
2.750
3.000
3.250
3.500
3.750
4.000
4.250
4.500
4.750
5.000
5.250
5.500
5.750
6.000+
1.286
0.042
0.021
FIGURA 3B-SEZIONE 5-5
COND. DINAMICHE
Analysis Methods
Analysis Methods used:
Bishop simplified
Janbu simplified
Janbu corrected
Surface Options
Surface Type: Circular
Search Method: Grid Search
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: Copertura sciolta
Strength Type: Mohr-Coulomb
Unit Weight: 20.63 kN/m3
Cohesion: 5.92 kPa
Friction Angle: 24.18 degrees
Material: Cappellaccio d'alterazione
Strength Type: Mohr-Coulomb
Unit Weight: 24.87 kN/m3
Cohesion: 0 kPa
Friction Angle: 27.89 degrees
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: bishop simplified
FS: 1.330800
Method: janbu simplified
FS: 1.285620
Method: janbu corrected
FS: 1.349040
600
500
400
300
200
100
0
-300
-200
-100
0
100
200
300
400
500
600
700
800