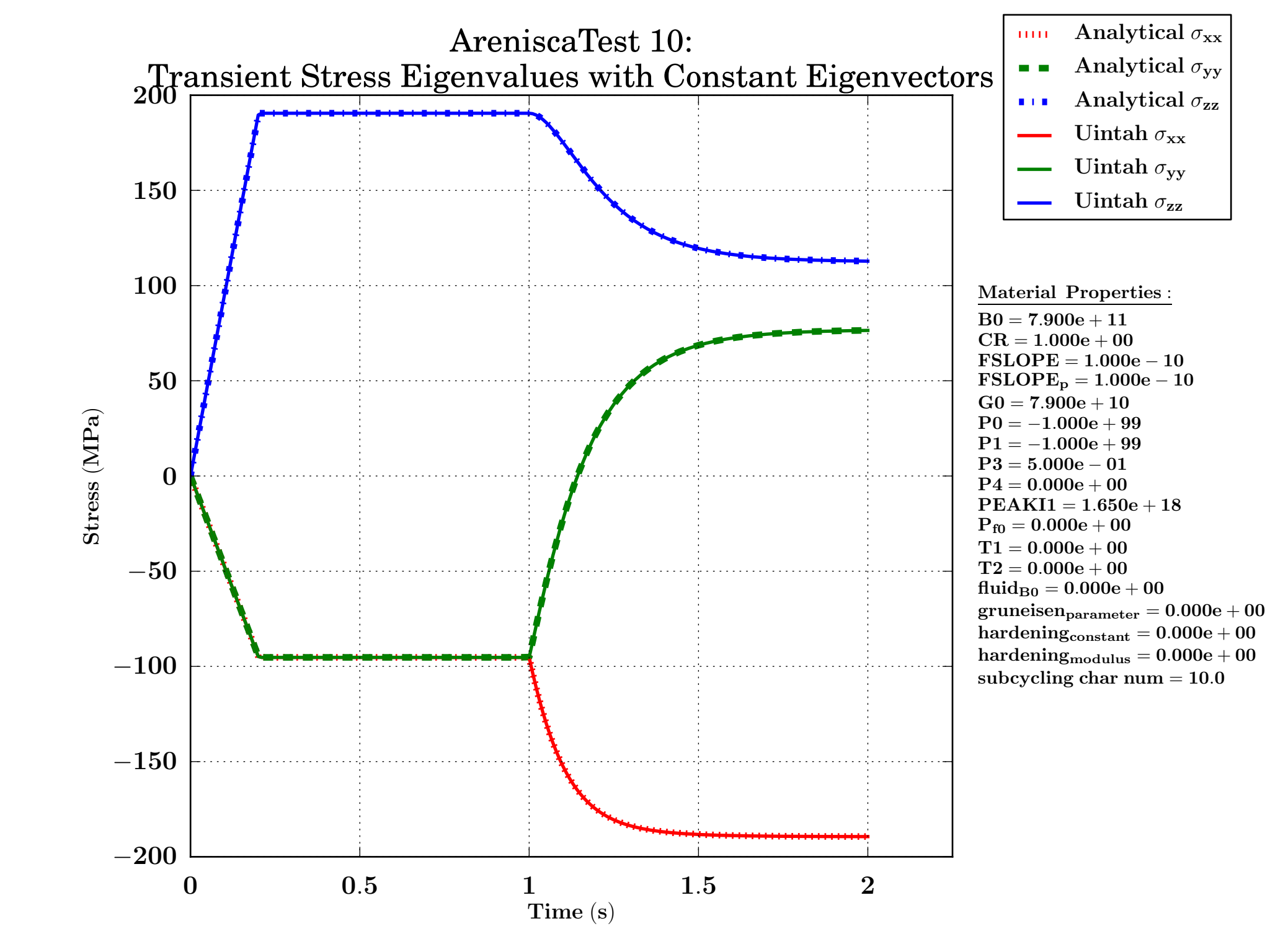
AreniscaTest 10:
Transient Stress Eigenvalues with Constant Eigenvectors
Analytical σ_{xx}
Analytical σ_{yy}
Analytical σ_{zz}
Uintah σ_{xx}
Uintah σ_{yy}
Uintah σ_{zz}
Material Properties :
B0 = 7.900e + 11
CR = 1.000e + 00
FSLOPE = 1.000e − 10
$FSLOPE_p$ = 1.000e − 10
G0 = 7.900e + 10
P0 = −1.000e + 99
P1 = −1.000e + 99
P3 = 5.000e − 01
P4 = 0.000e + 00
PEAKI1 = 1.650e + 18
P_{f0} = 0.000e + 00
T1 = 0.000e + 00
T2 = 0.000e + 00
$fluid_{B0}$ = 0.000e + 00
$gruneisen_{parameter}$ = 0.000e + 00
$hardening_{constant}$ = 0.000e + 00
$hardening_{modulus}$ = 0.000e + 00
subcycling char num = 10.0
Stress (MPa)
200
150
100
50
0
−50
−100
−150
−200
0
0.5
1
1.5
2
Time (s)