```
Point G
Stresses:
Ma = 0.000
Mm = 0.000
Ta = 0.000
Tm = 199.580
#--- Solving for d using Goodman ---#
Iter 0: d = 3.000
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.766
kc = 0.590
Se = 10.118
Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.060
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.763
Kfs = 2.459
Iter 1: d = 0.497
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.947
kc = 0.590
Se = 12.516
Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.514
Kfs = 2.046
Iter 2: d = 0.467
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.954
kc = 0.590
Se = 12.598
```

Stress Concentrations

```
Kts = 3.000
r = 0.009
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.506
Kfs = 2.031
Iter 3: d = 0.466
#--- Final Results ---#
Goodman: d = 0.466
#--- Solving for d using yielding ---#
Iter 0: d = 3.000
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.766
kc = 0.590
Se = 10.118
Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.060
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.763
Kfs = 2.459
Iter 1: d = 0.528
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.941
kc = 0.590
Se = 12.433
Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.011
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.523
Kfs = 2.061
Iter 2: d = 0.498
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.947
kc = 0.590
Se = 12.512
```

Kt = 2.140

```
Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.515
Kfs = 2.047
Iter 3: d = 0.497
#--- Final Results ---#
yielding: d = 0.497
-----
Point H
-----
Stresses:
Ma = 0.000
Mm = 0.000
Ta = 0.000
Tm = 199.580
#--- Solving for d using Goodman ---#
Iter 0: d = 3.000
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.766
kc = 0.590
Se = 10.118
Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.300
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.573
Kfs = 1.429
Iter 1: d = 0.414
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.966
kc = 0.590
Se = 12.761
Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.041
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.439
```

```
Iter 2: d = 0.406
#--- Final Results ---#
Goodman: d = 0.406
#--- Solving for d using yielding ---#
Iter 0: d = 3.000
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.766
kc = 0.590
Se = 10.118
Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.300
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.573
Kfs = 1.429
Iter 1: d = 0.441
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.959
kc = 0.590
Se = 12.676
Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.044
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.444
Kfs = 1.349
Iter 2: d = 0.433
#--- Final Results ---#
yielding: d = 0.433
Point I
Stresses:
Ma = 0.000
Mm = 0.000
Ta = 0.000
Tm = 199.580
#--- Solving for d using Goodman ---#
```

Kfs = 1.346

```
Iter 0: d = 3.000
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.766
kc = 0.590
Se = 10.118
Stress Concentrations
Kt = 5.000
Kts = 3.000
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.808
Kfs = 2.048
Iter 1: d = 0.467
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.954
kc = 0.590
Se = 12.598
Stress Concentrations
Kt = 5.000
Kts = 3.000
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.808
Kfs = 2.048
Iter 2: d = 0.467
#--- Final Results ---#
Goodman: d = 0.467
#--- Solving for d using yielding ---#
Iter 0: d = 3.000
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.766
kc = 0.590
Se = 10.118
Stress Concentrations
Kt = 5.000
Kts = 3.000
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.808
```

```
Kfs = 2.048
Iter 1: d = 0.497
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.947
kc = 0.590
Se = 12.515
Stress Concentrations
Kt = 5.000
Kts = 3.000
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.808
Kfs = 2.048
Iter 2: d = 0.497
#--- Final Results ---#
yielding: d = 0.497
-----
Point J
-----
Stresses:
Ma = 60.393
Mm = 0.000
Ta = 0.000
Tm = 199.580
#--- Solving for d using Goodman ---#
Iter 0: d = 3.000
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.766
kc = 1.000
Se = 17.149
Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.060
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.137
Kfs = 1.875
Iter 1: d = 0.593
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
```

```
ka = 0.845
kb = 0.930
kc = 1.000
Se = 20.816
Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.012
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.805
Kfs = 1.654
Iter 2: d = 0.546
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.938
kc = 1.000
Se = 21.002
Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.011
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.787
Kfs = 1.642
Iter 3: d = 0.543
#--- Final Results ---#
Goodman: d = 0.543
#--- Solving for d using yielding ---#
Iter 0: d = 3.000
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.766
kc = 1.000
Se = 17.149
Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.060
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.137
Kfs = 1.875
Iter 1: d = 0.540
Endurance Limit
S'e = 26.500
```

```
a = 2.000
b = -0.217
ka = 0.845
kb = 0.939
kc = 1.000
Se = 21.025
Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.011
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.785
Kfs = 1.640
Iter 2: d = 0.514
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.944
kc = 1.000
Se = 21.136
Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.774
Kfs = 1.633
Iter 3: d = 0.513
#--- Final Results ---#
yielding: d = 0.513
-----
Point K
Stresses:
Ma = 140.916
Mm = 0.000
Ta = 0.000
Tm = 199.580
#--- Solving for d using Goodman ---#
Iter 0: d = 3.000
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.766
kc = 1.000
Se = 17.149
```

Stress Concentrations

```
Kt = 1.700
Kts = 1.500
r = 0.300
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.573
Kfs = 1.429
Iter 1: d = 0.645
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.921
kc = 1.000
Se = 20.628
Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.065
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.474
Kfs = 1.368
Iter 2: d = 0.606
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.927
kc = 1.000
Se = 20.769
Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.061
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.469
Kfs = 1.365
Iter 3: d = 0.604
#--- Final Results ---#
Goodman: d = 0.604
#--- Solving for d using yielding ---#
Iter 0: d = 3.000
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.766
kc = 1.000
Se = 17.149
```

```
Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.300
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.573
Kfs = 1.429
Iter 1: d = 0.546
Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.938
kc = 1.000
Se = 21.000
Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.055
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.461
Kfs = 1.360
Iter 2: d = 0.535
#--- Final Results ---#
```