```
--------
Point Q
--------

Stresses:
Ma = 125.371
Mm = 0.000
Ta = 0.000
Tm = 0.000

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.938
kc = 1.000
Se = 20.997

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

#--- Solving for n using Goodman criterion ---#
Se = 20.997
Kf = 1.787
Goodman: n = 1.503

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.938
kc = 1.000
Se = 20.997

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

#--- Solving for n using yielding criterion ---#
Se = 20.997
Kf = 1.787
yielding: n = 3.150

--------
Point R
--------

Stresses:
Ma = 292.532
Mm = 0.000
```

```
Ta = 0.000
Tm = 0.000

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.915
kc = 1.000
Se = 20.494

Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.069
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.479
Kfs = 1.371

#--- Solving for n using Goodman criterion ---#
Se = 20.494
Kf = 1.479
Goodman: n = 1.501

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.915
kc = 1.000
Se = 20.494

Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.069
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.479
Kfs = 1.371

#--- Solving for n using yielding criterion ---#
Se = 20.494
Kf = 1.479
yielding: n = 3.223

--------
Point S
--------

Stresses:
Ma = 376.112
Mm = 0.000
Ta = 0.000
Tm = 0.000

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
```

```
kb = 0.870
kc = 1.000
Se = 19.487

Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.110
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.513
Kfs = 1.392

#--- Solving for n using Goodman criterion ---#
Se = 19.487
Kf = 1.513
Goodman: n = 4.456

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.870
kc = 1.000
Se = 19.487

Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.110
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.513
Kfs = 1.392

#--- Solving for n using yielding criterion ---#
Se = 19.487
Kf = 1.513
yielding: n = 10.061

--------
Point T
--------

Stresses:
Ma = 283.023
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.870
kc = 1.000
Se = 19.487

Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.022
```

```
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.627
Kfs = 2.240

#--- Solving for n using Goodman criterion ---#
Se = 19.487
Kf = 1.627
Goodman: n = 1.666

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.870
kc = 1.000
Se = 19.487

Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.022
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.627
Kfs = 2.240

#--- Solving for n using yielding criterion ---#
Se = 19.487
Kf = 1.627
yielding: n = 1.710

--------
Point U
--------

Stresses:
Ma = 254.721
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.870
kc = 1.000
Se = 19.487

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

#--- Solving for n using Goodman criterion ---#
Se = 19.487
Kf = 2.808
```

```
Goodman: n = 1.504

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.870
kc = 1.000
Se = 19.487

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

#--- Solving for n using yielding criterion ---#
Se = 19.487
Kf = 2.808
yielding: n = 1.707

--------
Point V
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Stresses:
Ma = 198.116
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.879
kc = 1.000
Se = 19.686

Stress Concentrations
No stress concentration, Kf = Kfs = 1.000

#--- Solving for n using Goodman criterion ---#
Se = 19.686
Kf = 1.000
Goodman: n = 2.843

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.879
kc = 1.000
Se = 19.686

Stress Concentrations
No stress concentration, Kf = Kfs = 1.000
```

```
#--- Solving for n using yielding criterion ---#
Se = 19.686
Kf = 1.000
yielding: n = 2.893

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Point W
--------

Stresses:
Ma = 84.907
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.879
kc = 1.000
Se = 19.686

Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.020
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.915
Kfs = 1.730

#--- Solving for n using Goodman criterion ---#
Se = 19.686
Kf = 1.915
Goodman: n = 1.942

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.879
kc = 1.000
Se = 19.686

Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.020
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.915
Kfs = 1.730

#--- Solving for n using yielding criterion ---#
Se = 19.686
Kf = 1.915
yielding: n = 1.798

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Point X
--------
```

```
Stresses:
Ma = 0.000
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.879
kc = 0.590
Se = 11.615

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

#--- Solving for n using Goodman criterion ---#
Se = 11.615
Kf = 2.808
Goodman: n = 1.963

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.879
kc = 0.590
Se = 11.615

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

#--- Solving for n using yielding criterion ---#
Se = 11.615
Kf = 2.808
yielding: n = 1.630

--------
Point Y
--------

Stresses:
Ma = 0.000
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
```

```
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.879
kc = 0.590
Se = 11.615

Stress Concentrations
No stress concentration, Kf = Kfs = 1.000

#--- Solving for n using Goodman criterion ---#
Se = 11.615
Kf = 1.000
Goodman: n = 4.020

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.879
kc = 0.590
Se = 11.615

Stress Concentrations
No stress concentration, Kf = Kfs = 1.000

#--- Solving for n using yielding criterion ---#
Se = 11.615
Kf = 1.000
yielding: n = 3.337

--------
Point Z
--------

Stresses:
Ma = 0.000
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.879
kc = 0.590
Se = 11.615

Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.020
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.614
Kfs = 2.217

#--- Solving for n using Goodman criterion ---#
Se = 11.615
Kf = 1.614
```

```
Goodman: n = 1.813

Endurance Limit
S'e = 26.500
a = 2.000
b = -0.217
ka = 0.845
kb = 0.879
kc = 0.590
Se = 11.615

Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.020
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.614
Kfs = 2.217

#--- Solving for n using yielding criterion ---#
Se = 11.615
Kf = 1.614
yielding: n = 1.505
```