Normalized total energy release rate $\frac{G_{TOT}}{G_0}$ as function of crack angular semi-aperture $\Delta\theta$, calculated with Abaqus built-in J-Integral post-processing routine (*CONTOUR INTEGRAL)

Legend:
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 1
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 2
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 3
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 4
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 5
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 6
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 7
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 8
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 9
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 10
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 11
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 12
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 13
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 14
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 15
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 16
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 17
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 18
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 19
- $\frac{G_{TOT}}{G_0}$, FEM, Contour 20
- $\frac{G_{TOT}}{G_0}$, BEM

X-axis: $\Delta\theta \ [^\circ]$

Y-axis: $\frac{G_{TOT}}{G_0} \ [-]$