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

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

Axis labels:
- y-axis: $\frac{G_{(\cdot)}}{G_0}$ $[-]$
- x-axis: $\Delta\theta$ $[^\circ]$