

Figure 10 is a line plot showing the number of suborbits (Y-axis, 0 to 30) versus the number of bodies $|B|$ (X-axis, 2 to 8). The plot compares four sets of orbits: 'Original' (blue circles), 'Largest orbits' (red crosses), 'All suborbits' (green squares), and 'Semi restricted suborbits' (orange triangles). For each set, a solid line represents the mean and a shaded region represents the 1σ confidence interval. Dotted lines connect the mean values for each set. The 'All suborbits' set shows the highest mean number of suborbits, peaking at $|B|=4$. The 'Semi restricted suborbits' set shows a sharp drop to zero at $|B|=8$.

$ B $	Original (mean)	Original (1σ)	Largest orbits (mean)	Largest orbits (1σ)	All suborbits (mean)	All suborbits (1σ)	Semi restricted suborbits (mean)	Semi restricted suborbits (1σ)
2	10.5	8.0 - 13.5	10.5	8.0 - 13.5	10.5	8.0 - 13.5	10.5	8.0 - 13.5
3	18.5	16.0 - 21.5	18.5	16.0 - 21.5	18.5	16.0 - 21.5	18.5	16.0 - 21.5
4	22.5	14.5 - 30.0	22.5	14.5 - 30.0	22.5	14.5 - 30.0	22.5	14.5 - 30.0
5	14.5	12.0 - 17.5	14.5	12.0 - 17.5	14.5	12.0 - 17.5	14.5	12.0 - 17.5
6	8.0	6.0 - 14.5	8.0	6.0 - 14.5	11.5	6.0 - 14.5	8.0	6.0 - 14.5
7	6.0	6.0 - 12.0	6.0	6.0 - 12.0	12.0	6.0 - 12.0	6.0	6.0 - 12.0
8	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0

Figure 10 is a line plot showing Execution Time (s) on the y-axis (ranging from 0 to 7.5) versus $|B|$ on the x-axis (ranging from 2 to 8). The plot compares four methods: Original, Largest orbits, All suborbits, and Semi restricted suborbits. For each method, the mean execution time is shown as a solid line with markers, and the shaded area represents the 1σ confidence interval. The 'All suborbits' method shows a significant increase in execution time at $|B|=7$, peaking at approximately 6.4 seconds, while the other methods remain near zero. The 'Semi restricted suborbits' method shows a smaller increase at $|B|=7$, peaking at approximately 0.6 seconds.

$ B $	Original (mean)	Original (1σ)	Largest orbits (mean)	Largest orbits (1σ)	All suborbits (mean)	All suborbits (1σ)	Semi restricted suborbits (mean)	Semi restricted suborbits (1σ)
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
7	0.2	0.2	0.0	0.0	6.4	7.5	0.6	0.6
8	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1