Complexity Analysis — Log-Log Scale with Fitted Curves

Legend:
- Brute Force (measured)
- Barnes-Hut (measured)
- Fit: $a \cdot N^2$, $a = 8.22e - 05$
- Fit: $a \cdot N \log N$, $a = 3.14e - 02$

Y-axis: Time (ms) — log scale

X-axis: Vertex count $|V|$ (log scale)