

The image shows a plot with a horizontal x-axis ranging from 0 to 8000 and a vertical y-axis ranging from 0 to 250. The plot area is a thin horizontal rectangle. Inside this rectangle, the following mathematical equations are displayed in a colorful, stylized font:

$$A = ar^{\beta}, \quad B = br^{\beta+2}; \quad a/b = c(\beta + 2)/(\beta - 2),$$