

The image displays a plot of the equation $E = E_0 + \frac{1}{2 \sinh(\gamma(0)/2)} \sinh(\gamma(0) (\frac{1}{2} + c(0))) h c \nu_{\text{vib}}$. The x-axis is labeled from 0 to 6000 in increments of 1000, and the y-axis is labeled from 0 to 400 in increments of 200. The equation is rendered in a multi-colored font, with each term and symbol in a different color. The plot area is a simple rectangular frame with the equation centered within it.