

The image displays a plot of the equation $S_{stat} = 2\pi \sqrt{N_5^{(1)} N_5^{(2)} N_5^{(3)}} (\sqrt{n} + \sqrt{\bar{n}})$. The y-axis is labeled from 0 to 400 in increments of 100, with 0 at the top. The x-axis is labeled from 0 to 3000 in increments of 500. The equation is rendered in a colorful, stylized font. The term S_{stat} is in red, 2π is in blue, and the square root symbol is in purple. The three $N_5^{(i)}$ terms are in yellow, green, and red respectively. The square root terms \sqrt{n} and $\sqrt{\bar{n}}$ are in blue and purple respectively. The plus sign is in yellow, and the closing parenthesis is in green. A horizontal cyan line is drawn across the plot at approximately y=100, starting from x=1000 and ending at x=2200.

$$S_{stat} = 2\pi \sqrt{N_5^{(1)} N_5^{(2)} N_5^{(3)}} (\sqrt{n} + \sqrt{\bar{n}})$$