FIGURE 1

N_2^{min} and N_2^{max}, the upper and lower boundaries of the Goldbach curve. All values of $N_2(n)$ lie between these boundaries. The smooth curve is $\rho_0(n)$, the lower bound of the Littlewood-Hardy formula.

FIGURE 2

A section of the Goldbach curve. The arrows at the right of the figure denote values of $\rho(n)$, for $n \approx 8.05 \times 10^6$ and having the factor structure shown beside the arrow.

FIGURE 3

The error $|\rho(n) - N_2(n)|/N_2(n)$. The top curve is the upper limit of the error, while the bottom curve is a local average of the error.