A graph showing the relationship between $c_k$ and $k$ on a logarithmic scale. The graph includes a line labeled $(k - \frac{1}{4})\pi$ and points labeled $c_k$. The x-axis is labeled $k$ and ranges from $10^0$ to $10^1$, and the y-axis is labeled $c_k$ and ranges from $10^0$ to $10^2$. The data points follow the line $(k - \frac{1}{4})\pi$. 