

+

×

—

÷

1. 求极限 $\lim_{n \rightarrow +\infty} \frac{2^n}{n!}$.

2. 求极限 $\lim_{n \rightarrow +\infty} \left(\frac{1}{1n^2+1} + \frac{2}{4n^2+2} + \cdots + \frac{n}{4n^2+n} \right)$.