



## Question

Which of the following is the sum function for the power series

$$\sum_{n=0}^{\infty} (-1)^n \frac{x^{2n}}{n!} ?$$

- A.  $\cos(x)$
- B.  $x^2 e^{-x}$
- C.  $e^{-x^2}$
- D. There is not enough information to answer.