



Item Navigation

Series Solution Method

Find two independent power series solutions of $y'' - y = 0$. Show that

$$y(x) = a_0 \cosh x + a_1 \sinh x,$$

where

$$\cosh x = \frac{e^x + e^{-x}}{2}, \quad \sinh x = \frac{e^x - e^{-x}}{2}.$$

✓ **Completed**

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