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(29) This series converges for all z on the complex plane, thus $J_s(z)$ is the entire function. If $z \neq 0$, then $J_s(z) \sim z^{-s} \frac{1}{\Gamma(s+1)}$
(30) If s^2 is not an integer, then $J_s(z)$ is the second solution of the Bessel equation. Now: $J_s(z) \sim z^{-s} \frac{1}{\Gamma(s+1)}$
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