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Problem 2.8

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Homework due Oct 31, 2020 20:00 EDT

Problem 2.8

2 points possible (graded)

Find coefficient in front of $\frac{1}{z}$ of Laurent series of the functions

$$1) f(z) = \frac{\sin \frac{1}{z}}{1 - z}, \quad 2) g(z) = \exp \left(-\exp \left(\frac{1}{z} \right) \right)$$

at $z = 0$.

Coefficient in front of $\frac{1}{z}$ for Laurent series of $f(z)$

Coefficient in front of $\frac{1}{z}$ for Laurent series of $g(z)$


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