edX **MISISx 1.1x**
     Complex analysis

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🏠 Course / 3. Residue theory. Application to computation of complex integrals. Jordan's lemma. / Dedicated problems

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Problem 3.3

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Homework due Nov 11, 2020 19:00 EST

Problem 3.3

4 points possible (graded)
Evaluate residues of

$$f(z) = \frac{1}{z^3 - z^5}$$

at $z = -1,\ z = 0,\ z = 1$ and $z = \infty$. What is the sum of the residues?
$\text{Res}_{z=-1} f(z)$

$\text{Res}_{z=0} f(z)$

$\text{Res}_{z=1} f(z)$

$\text{Res}_{z=\infty} f(z)$

Submit   You have used 0 of 6 attempts

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