

Week 2

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2.1 Office Hours

- 3/25:
- What exactly are the Wirtinger derivatives?
 - The $\partial/\partial z$ and $\partial/\partial \bar{z}$ operators.
 - The initial definition of holomorphic is accurate. It's naïve, but it works out.
 - Noney: Non example.
 - As in, we have some examples of holomorphic functions and then we have an example of a function that is *not* holomorphic.
 - TPS: Think Pair Share.
 - Met Panteleymon and helped him with partial fractions!
 - The Δ notation does mean the same Laplacian as $\vec{\nabla}^2$ from Quantum Mechanics.
 - Calderon is not related to Calderón; he was Argentinian, Calderon is half-Filipino and has no accent on his name. Both Spanish colonies but that's it.
 - We can do all of the problems except Problem 1 at this point.
 - For this, though, we can just look up the definition of the complex sine function.
 - We basically just need to know what $\sin(i)$ is and what sine looks like along the imaginary axis.