Task 11-01

- Create a Jupyter Lab file called **complex_lattice.ipynb**
- Your notebook's **Cell 1** should render a scatter plot using an equal aspect ratio of the complex function:

- Your notebook's **Cell 2** should calculate and display how many Gaussian Integers are there such that and and
- Upload your solution to the BNL QIS101 SharePoint site

Task 11-02

- Create a Jupyter Lab file called **complex_factorial.ipynb**
- Your notebook's Cell 1 should calculate using Euler's Gamma Function
- Hint: Leverage SciPy Integrate, Euler's Formula in complex analysis, and the identity
- Upload your solution to the BNL QIS101 SharePoint site