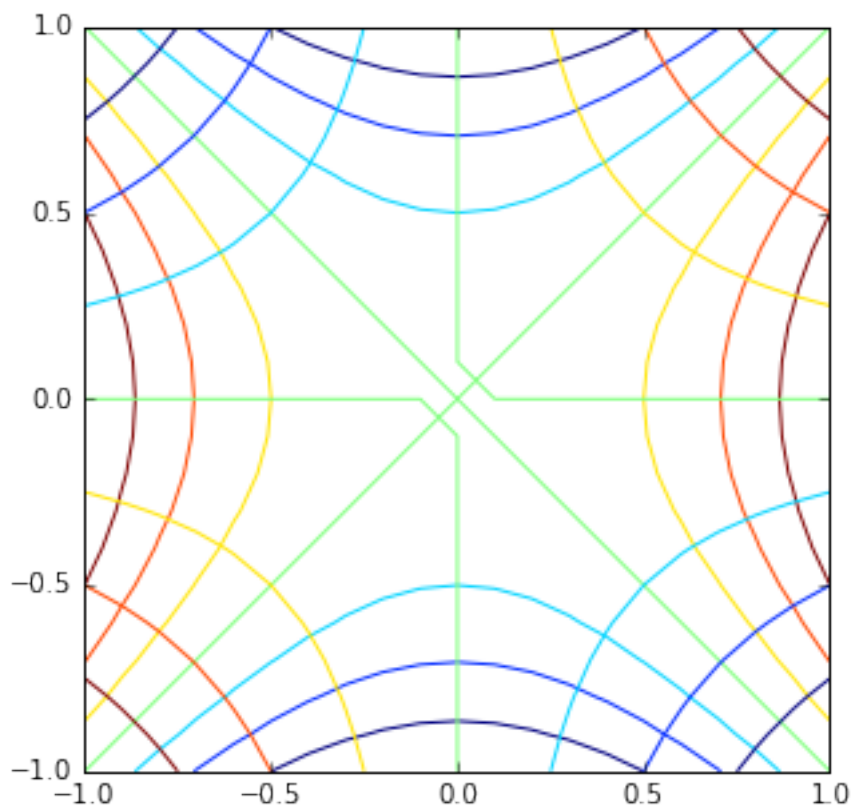# Item: **Fundamental Theorem of Algebra**

John D Mangual

One way to try to solve a polynomial equation

$$z^2 + 1 = 0 \rightarrow (x + iy)^2 + 1 = (x^2 - y^2) + 2i\,xy = 0 \rightarrow \{x^2 - y^2 = 0\} \cap \{xy = 0\}$$

I am going to leave in the ridiculous square artifact in the center. And the rainbow is very important!

References

(1) …