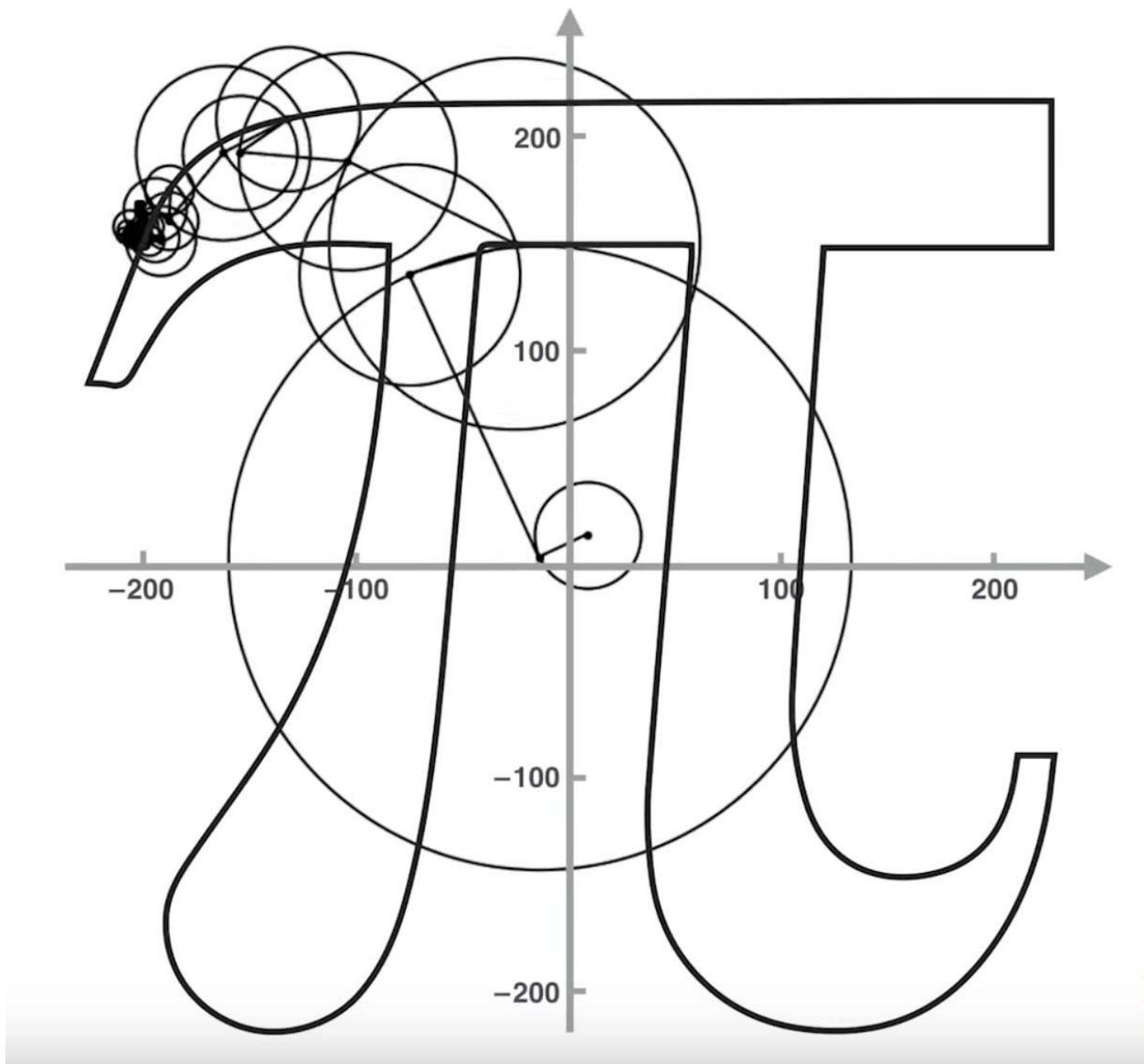# How to get Fourier coefficients to draw any shape using DFT?

I'm teaching myself about Fourier Series and the DFT and trying to draw a stylised π symbol by fourier epicycles as detailed by [Mathologer on youtube](#) (from 18:39 onwards).

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The goal is to generate something like this:

using complex fourier series :

$$z(t) = \sum_{k=-\infty}^{\infty} c_k\, e^{ikt}$$

with complex coefficients:

$$\frac{1}{c}\!\!\!\!^{\pi}$$