

python manim.py code.py Scene --opt

manimlib/_init__.py main()

Processing the input file name, scene name, options

Processing config

Processing folder

manimlib/extract_scene.py main()

Get all Scenes

Get the Scenes that needs to be rendered

Extract the configs related to Scene

Generate an instance of the Scene that needs to be rendered



Manim-Kindergarten
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manimlib/scene/scene.py _init_()

Initialize Camera, SceneFileWriter, etc.

Run the written setup() method

Run the written construct() method

Run tear_down() method

Complete the merging of partial movie files

Output completion prompt message

This part is constantly calling SceneFileWriter, instantiating Mobject, and using the play() method to implement Animation

Each animation self.wait() self.play() will generate a partial movie file

manimlib/extract_scene.py main()

Write video

Completion/failure sound (with --sound option)