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main.cpp
                Wed Feb 01 12:08:20 2017
    1: #include "sierpinski.hpp"
    2: #include <SFML/Window.hpp>
    3: #include <SFML/System.hpp>
    4: #include <iostream>
    5: #include <cmath>
    7: int main(int argc, char* argv[])
    8: {
    9:
   10:
            if (argc < 3 \mid \mid argc > 4)
   11:
            {
   12:
                std::cout << "Sierpinski [recursion-depth] [side-length]" << std::en</pre>
dl;
   13:
                return -1;
   14:
            }
   15:
   16:
           int depth = atoi(argv[1]);
   17:
           int side = atoi(argv[2]);
   18:
            * /
   19:
   20:
           int depth;
   21:
           int side;
   22:
   23:
           std::cout << "Enter depth: ";</pre>
   24:
           std::cin >> depth;
           std::cout << "Enter side: ";</pre>
   25:
   26:
           std::cin >> side;
   27:
           if (argc < 3 || argc > 4)
   28:
   29:
                std::cout << "Sierpinski [side-length] [recursion-depth]" << std::en</pre>
   30:
dl;
   31:
                return -1;
   32:
   33:
   34:
            std::cout << "Depth: " << depth << std::endl;</pre>
   35:
            std::cout << "Side: " << side << std::endl;</pre>
   36:
   37:
           if (depth < 0)
   38:
            {
   39:
                std::cout << "Depth should be greater than 0" << std::endl;</pre>
   40:
            }
   41:
   42:
           Sierpinski obj(side, depth);
   43:
   44:
   45:
           int window_height = (int) (.5*sqrt(3.)*(float)side);
   46:
   47:
           sf::RenderWindow window(sf::VideoMode(side, window_height), "Sierpinski"
);
   48:
   49:
           window.setFramerateLimit(1);
   50:
   51:
           while(window.isOpen())
   52:
   53:
                sf::Event event;
   54:
                while(window.pollEvent(event))
   55:
   56:
                    if(event.type == sf::Event::Closed)
   57:
                    {
```

window.close();

58: