

L-System

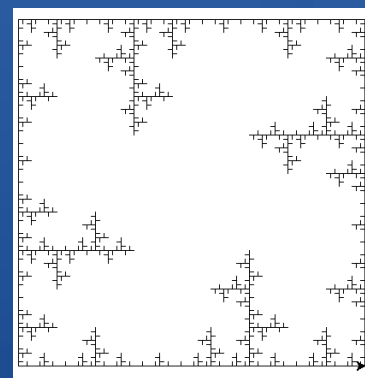
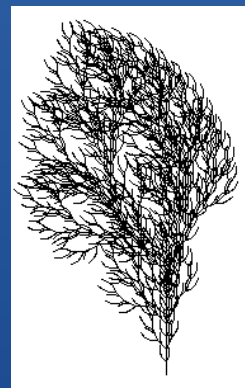
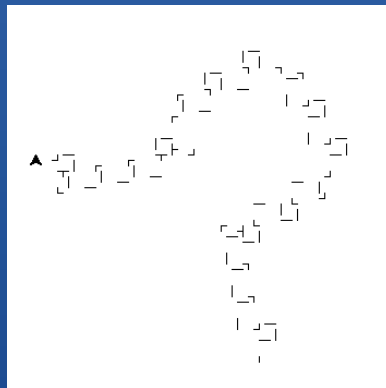
- Whole L-System
 - Given format
 - Production
 - Validation
 - Constructor checks
 - Generation (With Template)
- Unit tests of L-System
- Graphical output with Python

```
const std::vector<char> axiom{'F'};
const std::unordered_set<Production<char>> productions{
    Production<char>{'F', {'F', 'F', '-', '[', '-', 'F', '+', 'F', '+', 'F', ']'}, '+', {'[, '+', 'F', '-', 'F', '-', 'F', ']'}},
};

const std::unordered_set<char> alphabet{'F', '+', '-', '[', ']'};

std::vector<char> getValue = LSystemInterpreter<char>(axiom, productions, alphabet).generate(4);

CreateFile(getValue, "Tree");
```



L-System

- 1 control GUI for L-System
- Own geometric interpretation

