## Rendering pseudocode with the listings package

## Approx-Error

## 2nd October 2025

Here is some highlighted pseudocode from a file displayed using the listings package

```
1
2
3
4
5
    function taxicab_dist(int x1, int y1, int x2, int y2, int ptr res) -> void
6
       int dist := abs(x1 - y1) + abs(y1 - y2)
       deref res := dist
7
8
9
10
11 // Calling convention
12
13 taxicab_dist(3, 4, -2, -3, addr res)
14
15
16
    function taxicab_dist(int x1, int y1, int x2, int y2) -> int
17
18
       int dist := abs(x1 - y1) + abs(y1 - y2)
19
20
21
22
    int res = taxicab_dist(3, 4, -2, -3)
```

The keywords to be highlighted etc. can be defined with the \lstdefinelenguage{<language>}-command.