

# Test Subplot against reference subplots

The Subplot project

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## 1 Introduction

This document describes how we guard against accidental breaking changes in Subplot by running it against a curated set of subplot documents.

## 2 Subplot

### 2.1 Produce a PDF

*given* an installed subplot  
*given* a clone of <https://gitlab.com/subplot/subplot.git> in `src` at `409f32c5017d3f880e003138b0548cf74f965ce0`  
*when* I docgen `subplot.md` to `test.pdf`, in `src`  
*then* file `src/test.pdf` exists

### 2.2 Produce HTML page

*given* an installed subplot  
*given* a clone of <https://gitlab.com/subplot/subplot.git> in `src` at `409f32c5017d3f880e003138b0548cf74f965ce0`  
*when* I docgen `subplot.md` to `test.html`, in `src`  
*when* I run, in `src`, `subplot docgen subplot.md -o subplot.html`  
*then* file `src/test.html` exists

## 2.3 Generate and run test program

*given* an installed subplot

*given* file `run_test.sh`

*given* a clone of <https://gitlab.com/subplot/subplot.git> in `src` at `409f32c5017d3f880e003138b0548cf74f965ce0`

*when* I run, in `src`, subplot codegen subplot.md -o test-inner.py

*when* I run `bash run_test.sh`

*then* command is successful

File: `run_test.sh`

```
1  #!/bin/bash
2
3  set -euo pipefail
4
5  N=100
6
7  if python3 src/test-inner.py --log test-inner.log --env "PATH=$PATH" --env SUBPLOT_DIR=/
8  then
9      exit=0
10 else
11     exit="$?"
12 fi
13
14 if [ "$exit" != 0 ]
15 then
16     # Failure. Show end of inner log file.
17
18     echo "last $N lines of test-inner.log:"
19     tail "-n$N" test-inner.log | sed 's/^/ /'
20 fi
21
22 exit "$exit"
```