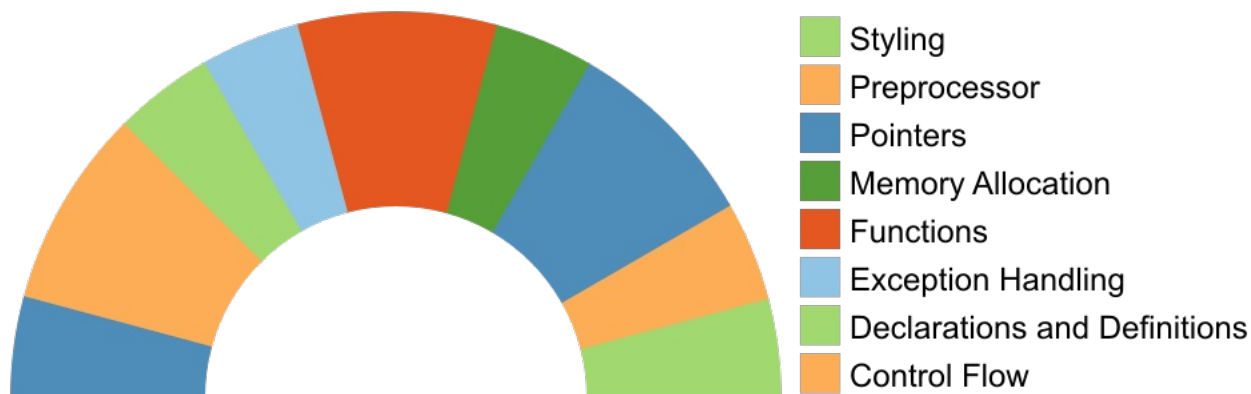


"The Power of 10: Rules for Developing Safety-Critical Code" standard by Gerald Holzmann

This standard was presented by Gerald Holzmann at NASA's Jet Propulsion Laboratory. The rules are few in number so that developers are likely to remember them all. They are strict to improve the quality of the code, analysis results, and ultimately the program.

Checks by Tags



## Checks

| Check ID          | Check Name   | Supported |
|-------------------|--|-----------|
| POWER_OF_TEN_01   | 1 Simple Control Flow  | Yes       |
| POWER_OF_TEN_02   | 2 Loops with Fixed Limits  | Yes       |
| POWER_OF_TEN_03   | 3 No Dynamic Memory Allocation   | Yes       |
| POWER_OF_TEN_04   | 4 Short Functions  | Yes       |
| POWER_OF_TEN_05   | 5 Use Assertion Statements   | Yes       |
| POWER_OF_TEN_06   | 6 Declarations at Lowest Scope   | Yes       |
| POWER_OF_TEN_07_A | 7A Check Parameters and Return Values - Ignored Return Values                  | Yes       |
| POWER_OF_TEN_07_B | 7B Check Parameters and Return Values - Unchecked Parameters and Return Values | Yes       |
| POWER_OF_TEN_08   | 8 Limit Preprocessor Usage   | Yes       |
| POWER_OF_TEN_09_A | 9A Restrict Pointer Usage - Multiple Dereferences                              | Yes       |
| POWER_OF_TEN_09_B | 9B Restrict Pointer Usage - Other  | Yes       |
| POWER_OF_TEN_10   | 10 All Compiler Warnings   | Yes       |