# Calculator Benchmarker Version 1

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**Homeless G Productions**

System Requirements:
-HW2 TI-92 Plus, TI-89, or Voyage 200 PLT (no VTI)
-AMS 2.07 or higher
-At least 3 K of RAM and Archive Memory

## 1. Introduction

Calculator Benchmarker V. 1 is a comprehensive system benchmarker for the TI-92 Plus (HW2), TI-89, and Voyage 200 PLT. It benchmarks several system components, namely the video system, processor, and the calculators memory system. It returns the times each test took for comparison to other calculators. This, unlike many other benchmarking programs is affected by the operating system and related system settings. This will not run on any operating systems lower than 2.07, unless I can find a suitable replacement function.

## 2. Liscence

This program may be passed on freely. However, if it is used in a program, it must have my consent and have given me credit. If the ideas and/or concepts from this program are used in another program, it is requested that you give me credit.

## 3. Warnings

Homeless G Productions and Frank A. Nothaft do not assume liability for any loss of data from this program. If you find bugs in this program, please notify me at my e-mail address.

## 4. Notes About Operation

Number Generation may take over 8 minutes.
This has not been tested on a non-VTI TI-89.

## 5. About The Tests

**Scrolling:** Scrolling tests the calculator with a simple loop. It tests both the processor and the video system.
**Functions:** Tests the calculators ability at doing basic calculus functions.
**Standard Graphing:** Tests the calculator's speed at standard graphing.
**Polar Graphing:** Tests the calculator's speed at graphing polar equations.
**3-D Graphing:** Tests the calculator's speed at graphing 3-D equations, one of the most intensive tests available.
**Number Generation:** Tests the calculators speed at generating random numbers, matrices, and lists.
**Memory Access:** Tests the calculators speed at doing basic memory functions.

## 6. Benchmarks

**On a TI-92 Plus running AMS 2.08 with factory defaults:**

Scrolling: 0 Hrs. 1 Min. 0 Sec.
Functions: 0 Hrs. 0 Min. 1 Sec.
Standard Graphing: 0 Hrs. 1 Min. -50 Sec. (A.K.A. 0 Hrs. 0 Min. 10 Sec.)
Polar Graphing: 0 Hrs. 0 Min. 5 Sec.
3-D Graphing: 0 Hrs. 1 Min. -8 Sec. (A.K.A. 0 Hrs. 0 Min. 52 Sec.)
Number Generation: 0 Hrs. 7 Min. 49 Sec.

Memory Access: 0 Hrs. 0 Min. 1 Sec.

**On a TI-92 Plus running AMS 2.09 with factory defaults:**
Scrolling: 0 Hrs. 1 Min. 1 Sec.
Functions: 0 Hrs. 0 Min. 1 Sec.
Standard Graphing: 0 Hrs. 0 Min. 10 Sec.
Polar Graphing: 0 Hrs. 1 Min. -54 Sec. (A.K.A. 0 Hrs. 0 Min. 6 Sec.)
3-D Graphing: 0 Hrs. 0 Min. 52 Sec.
Number Generation: 0 Hrs. 8 Min. -11 Sec. (A.K.A. 0 Hrs. 7 Min. 49 Sec.)
Memory Access: 0 Hrs. 0 Min. 1 Sec.