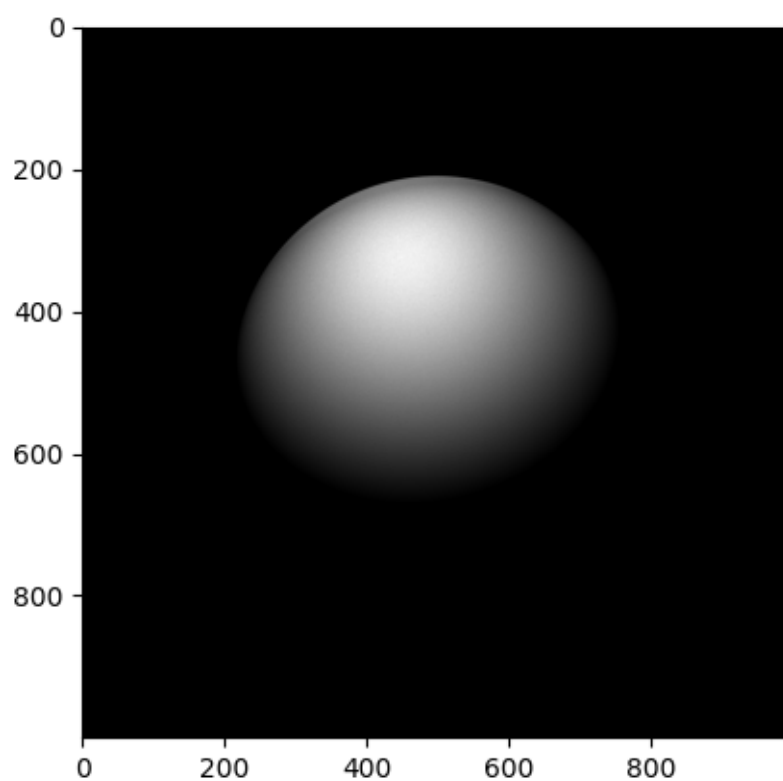# Project 2 Milestone 1

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## 1   Image

## 2   Running time

Running time: approximately 237.4s locally on Apple m1.

## 3   Invoke program

Compile and plot the image.

```
./run_milestone1.sh
```

## 4   Implementation detail

The default RNG in C standard library will generate unstable results. So, I use
the RNG from mt19937. The RNG code is referenced from:

1. https://github.com/notr1ch/opentdm/blob/master/mt19937.c

2. http://www.math.sci.hiroshima-u.ac.jp/m-mat/MT/VERSIONS/C-LANG/
   mt19937-64.c