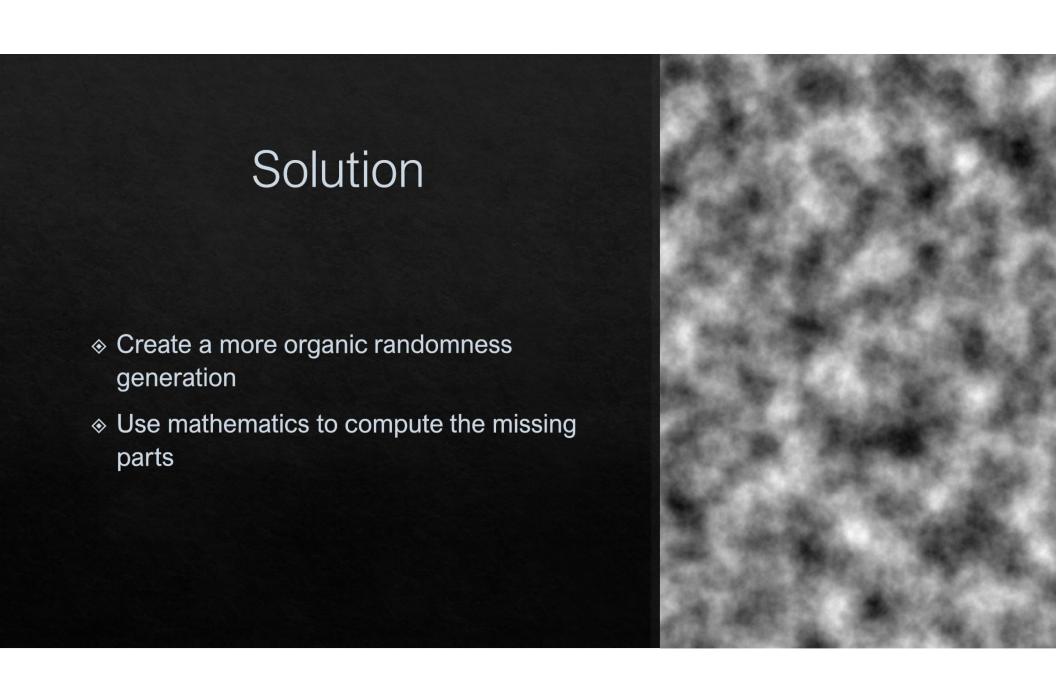


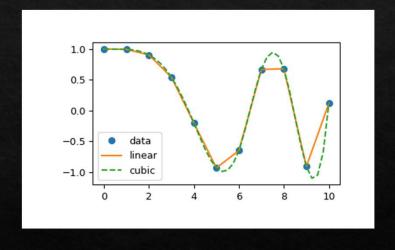
Problem

- Randomness looks ugly
- Its hard to get something natural looking



Solution

- Set random or semi random numbers
- Smooth the numbers
- ♦ Interpolate
- Repeat by octave
- ♦ End!



```
-0.1832 0.1575
-0.0966 0.0653
                0.3682
                         0.3948
                                  0.0328
                                                            -0.2398 0.3380
                                                                            0.1106
0.0800
        0.3360
                 0.4082
                         0.0334
                                  -0.2331 0.2168
                                                   -0.1601
                                                           0.3117
                                                                    0.1897
                                                                             -0.0484
0.3614
        0.3387
                 -0.0883
                         -0.2226 0.1241
                                          -0.2217 0.2481
                                                            0.0159
                                                                    0.0390
                                                                            0.0400
0.5143
        -0.0628 -0.2590 0.1898
                                          0.2769
                                                            -0.0314 -0.0404 0.0434
                                  -0.2950
                                                   0.0175
-0.0281 -0.1712 0.1237
                         -0.2481 0.2311
                                          0.1129
                                                   0.0527
                                                            0.0315
                                                                    0.0499
                                                                             -0.1315
-0.2198 0.1792
                 -0.2261 0.2292
                                  0.1476
                                          0.0025
                                                   -0.0797
                                                           0.0092
                                                                    -0.2070 0.1124
0.2168
        -0.1601 0.3117
                         0.1897
                                  -0.0484 -0.0115 0.0529
                                                            -0.0673 0.1246
                                                                            0.0981
        0.2481
                 0.0159
                         0.0390
                                          0.1479
-0.2217
                                  0.0400
                                                   -0.1313
                                                           0.1107
                                                                    0.2041
                                                                             -0.0922
0.2769
        0.0175
                 -0.0314 -0.0404 0.0434
                                          -0.1490
                                                   0.1917
                                                           0.0818
                                                                    -0.0419 0.4942
0.1129
        0.0527
                 0.0315
                         0.0499
                                  -0.1315 0.1436
                                                   0.0779
                                                            -0.0515 0.4536
                                                                             -0.0628
```

Results

Conclusion

- It is useful to create more organic random numbers
- Its very handy
- Using CUDA does make it faster

