

Math 320 – Computer Methods in the Mathematical Sciences I.

Project Title: The Mersenne Twister Algorithm

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1 Presentation

Comments:

- Really good at motivating the topic.
- Excellent description of true random vs. pseudorandom.
- Nice visualization! (noise pixels)
- The implementation was a bit hard to follow at first, so a walkthrough of an example was a great idea.
- Statistical tests - very good overview!

Grade: 10/10

Compelling and accessible presentation on a difficult topic. Terrific!

2 Paper

Comments:

- Cool opening graphic!
- Nice job explaining the structure at the beginning.
- The example going through the algorithm was very helpful.
- The description of the “general theorem of linear recurrence” was a bit shortchanged – it would be helpful to explain the connection to linear algebra.
- Description and commenting of the code is fantastic!
- Interesting pros and cons section.

Grade: 10/10

Very clear exposition of an interesting and challenging topic. Well done!