

















- The use of modulo arithmetic
- Algorithm generates integers between 0 and M, map to zero and one.

$$X_n = I_n / M$$

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Properties of Pseudo-Random Numbers

 The restriction to quantized numbers (a finite-set), leads to problems in highdimensional space. Many points end up to be co-planar. For ten-dimensions, and 32-bit random numbers, this leads to only 126 hyper-planes in 10-dimensional space.



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