

**R008-02**

**Zoom meeting D : 11/3 AM2 (10:45-12:30)**

**11:00~11:15**

## **一様及び正規分布の生成方法再考**

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## **Generation of uniform and normal distributions revisited**

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Uniformly distributed random numbers are commonly used in particle-in-cell (PIC) simulations of plasma. It is important to a set of random numbers as uniform as possible for reducing initial thermal fluctuations. In the present study, three sets of uniformly distributed integer numbers are generated, which are then shuffled with sets of uniformly distributed random numbers. Conversion of a uniform distribution to a normal distribution with several inverse transform sampling methods is also discussed.