

# Phase behaviour of the PSM GCM and GEM- $n$ models

Studied the softmatter physics with Monte Carlo

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- 1 Introduction to the Monte Carlo Method
  - Demo - calculate  $\pi$
  - Demo - calculate L-J particles in the NVT-ensemble
- 2 Introduction to the models for describing the phase behaviour
  - Penetrable Sphere Model (PSM)
  - Gaussian core Model (GCM)
  - Gaussian exponential Model (GEM- $n$ )
- 3 Results

# Introduction to the Monte Carlo Method

Demo - calculate  $\pi$

- My first point.
- My second point.

# Introduction to the Monte Carlo Method

Demo - calculate L-J particles in NVT ensemble

- First item.

# Introduction to the Monte Carlo Method

Demo - calculate L-J particles in NVT ensemble

- First item.
- Second item.

# Introduction to the Monte Carlo Method

Demo - calculate L-J particles in NVT ensemble

- First item.
- Second item.
- Third item.

# Introduction to the Monte Carlo Method

Demo - calculate L-J particles in NVT ensemble

- First item.
- Second item.
- Third item.
- Fourth item.

# Introduction to the Monte Carlo Method

Demo - calculate L-J particles in NVT ensemble

- First item.
- Second item.
- Third item.
- Fourth item.
- Fifth item.



# Introduction to the Monte Carlo Method

Demo - calculate L-J particles in NVT ensemble

- First item.
- Second item.
- Third item.
- Fourth item.
- Fifth item. Extra text in the fifth item.

# Blocks

## Block Title

You can also highlight sections of your presentation in a block, with it's own title

## Theorem

*There are separate environments for theorems, examples, definitions and proofs.*

## Example

Here is an example of an example block.

# Summary

- The **first main message** of your talk in one or two lines.
- The **second main message** of your talk in one or two lines.
- Perhaps a **third message**, but not more than that.
- Outlook
  - Something you haven't solved.
  - Something else you haven't solved.

# For Further Reading I



A. Author.

*Handbook of Everything.*

Some Press, 1990.



S. Someone.

On this and that.

*Journal of This and That*, 2(1):50–100, 2000.