

Molecular Dynamics Simulation of a Van der Waals Gas

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1 Molecular Dynamics Simulation of a Van der Waals Gas	1
1.0.1 Aim:	1
1.0.2 Scientific goal:	1
Index	3

Chapter 1

Molecular Dynamics Simulation of a Van der Waals Gas

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1.0.1 Aim:

To learn how to work in a group around a computational science project by using all the tools learned during the course.

1.0.2 Scientific goal:

Build a simple molecular dynamics program to deal with a Van der Waals gas of particles. All students must perform collaborative work to get a working program code. Thus, all the tasks involved in the implementation of this program must be decided accordingly.

Index

Molecular Dynamics Simulation of a Van der Waals Gas,

[1](#)