Motivation and Problem Description

- **Molecular dynamics**
- **Astrophysical applications**
- **Plasma physics**

Approach

- **GUI in JAVA for real time visualization of ball.**

- **Computation in microprocessor for the actual position of planetary bodies.**

- **UART communication between GUI and microprocessor**

Results and Lesson Learned

- **ARM Cortex M-4**
- **UART Communication**
- **GUI using Java**
- **N-Body simulation algorithm**