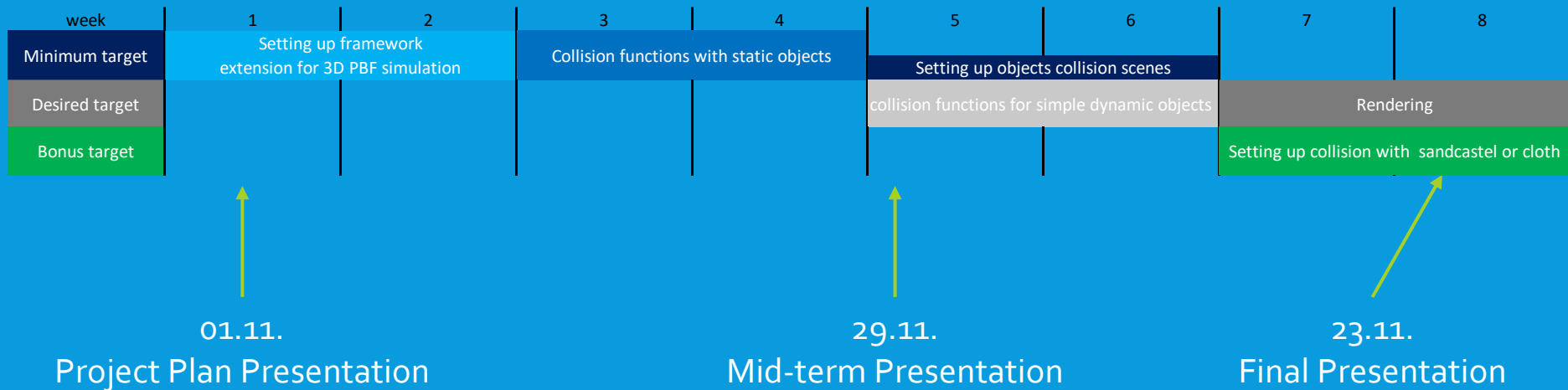


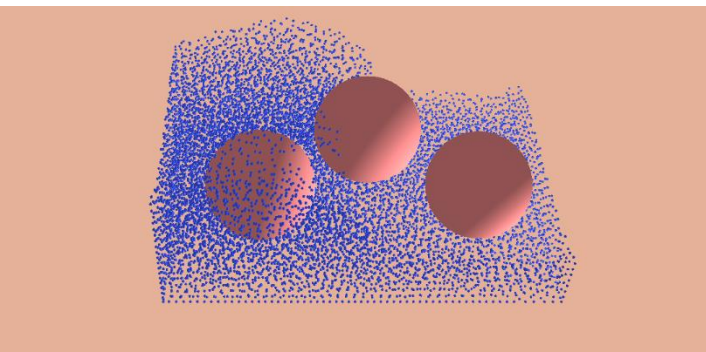
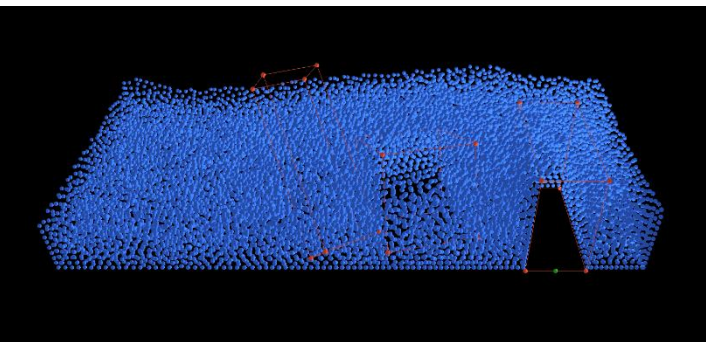
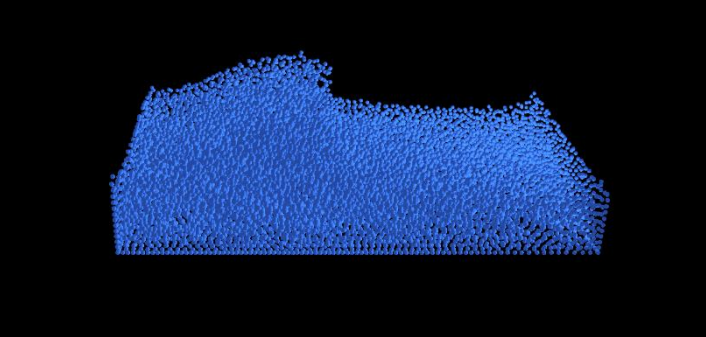
PHYSICALLY-BASED SIMULATION: POSITION-BASED FLUID

Group 8

Yufeng Xiao, Mingjie Li, Sebastian Heckers

TIMELINE



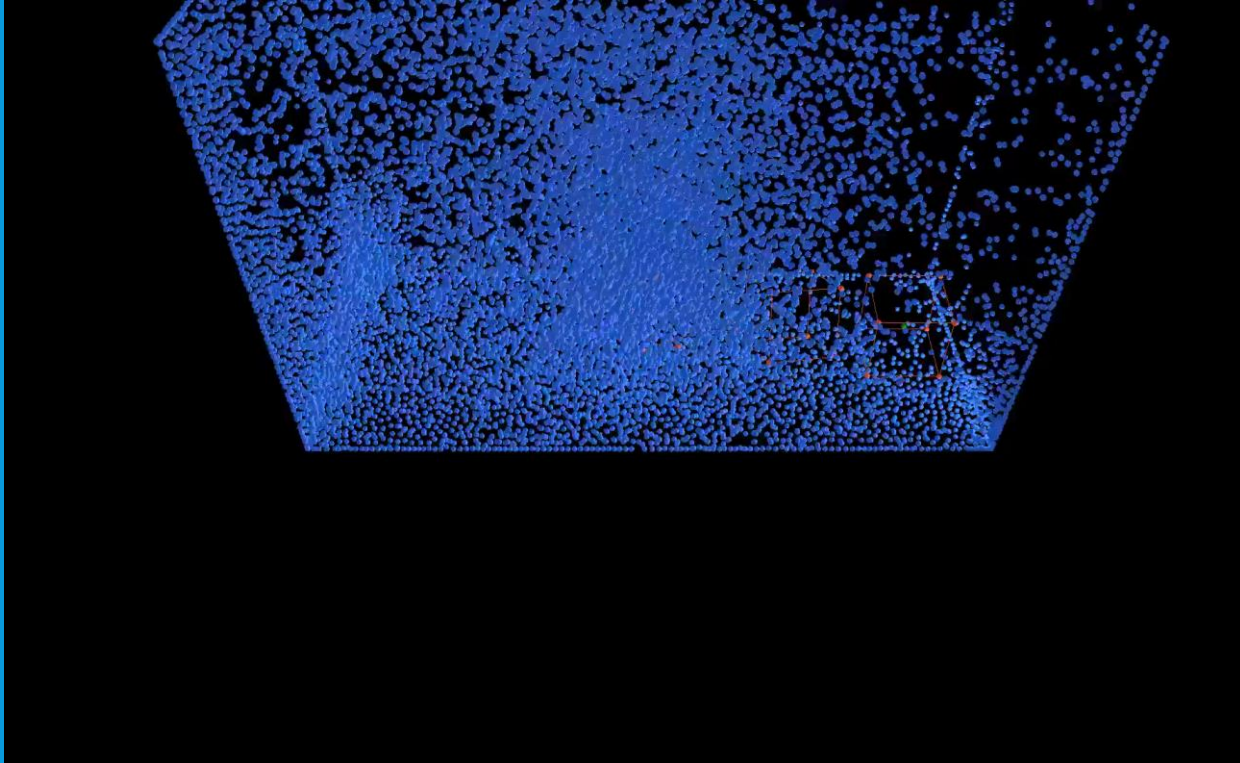


PROJECT MILESTONE

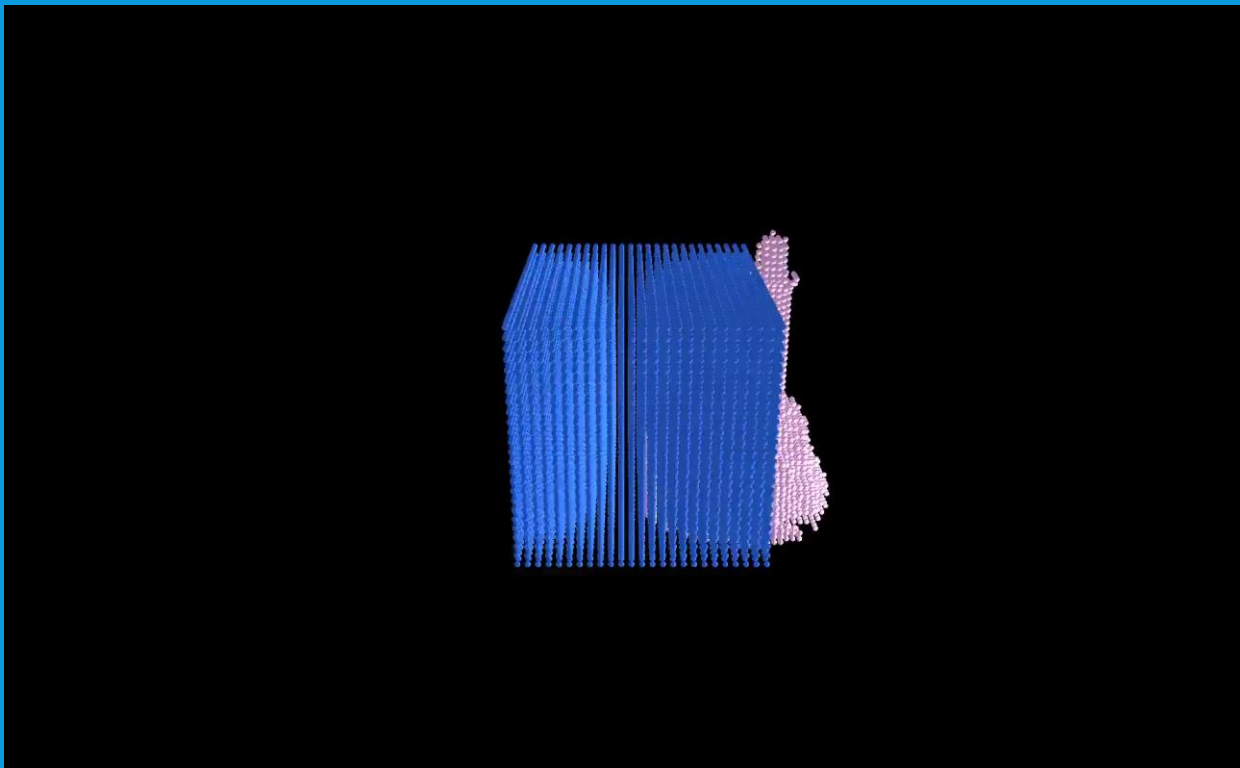
Implementation of the minimal target:

- Position-based Fluid
- Box collision
- Sphere collision

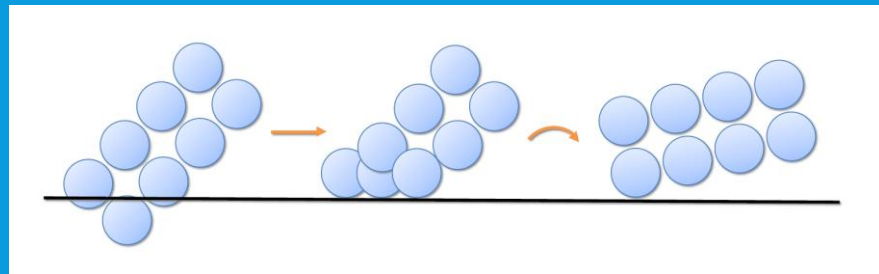
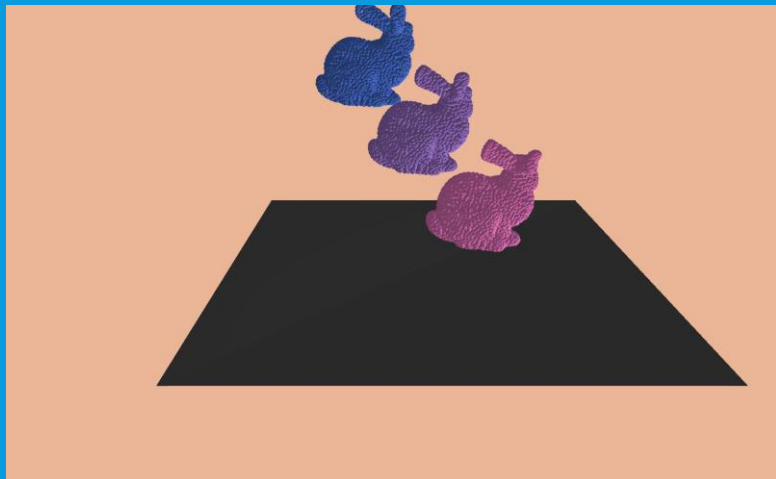
DYNAMIC COLLISION RESPONSE



UNIFIED PARTICLE REPRESENTATION

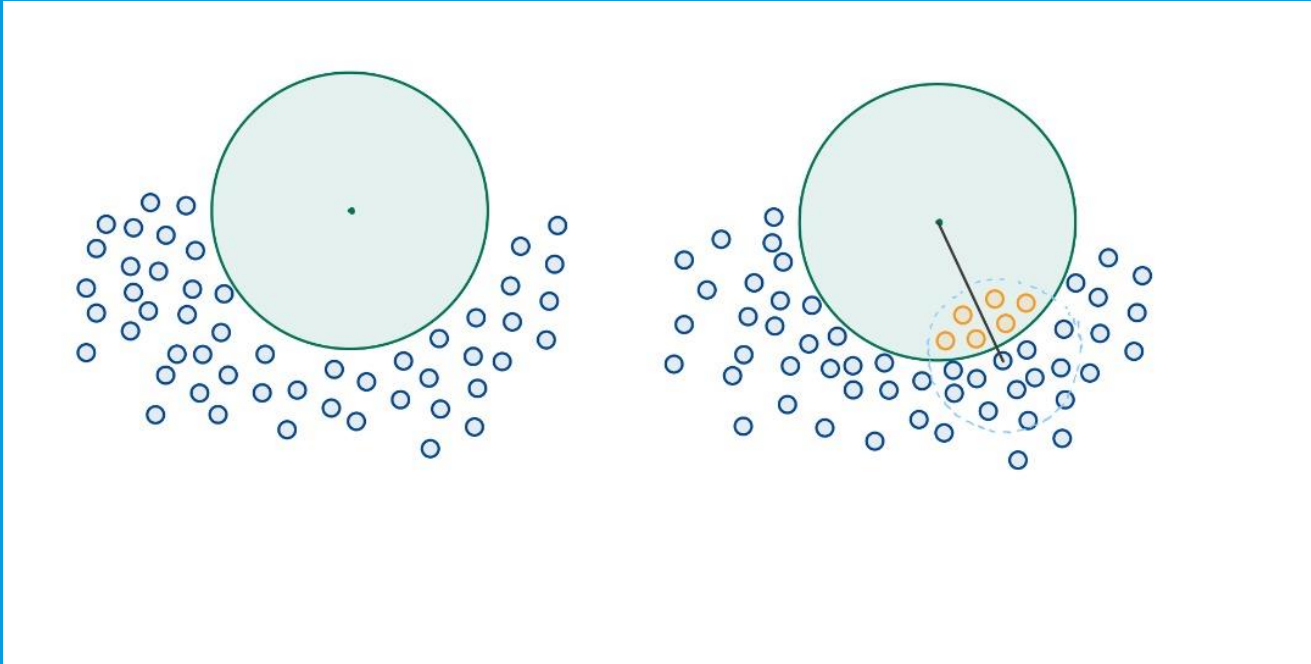


PARTICLE MESH RIGID BODY



MACKLIN M., MÜLLER M., CHENTANEZ N., KIM T.-Y.: Unified particle physics for real-time applications. ACM Trans. (July 2014)

DENSITY ESTIMATION CORRECTION



FINAL RESULT

