







Numelical Integration

The linear solvers and the Newton method

The linear solvers

Newton methods

Terative solver and what is global solver

Terative facobi type

Grawss seidel type

Grawss seidel type

Ludecomposition

Schur decomposition

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· Numerical physics
       Lange matching system

Verlet's integration

Explicit/Implicit euler scheme

constrained by namics
   · Interpret the papers
         Large steps in Cloth Simulation (1998)

Large steps in Cloth Simulation (1998)

Advanced Character Physics (2001)

Advanced Character Physics (2001)

Hospitale and Robust Model for Geometrically complex beformable solids (2004)

Position Rased Dynamics (2006)

XDRD
              - Geometric, Variational Integrators for

Computer Animation (2006)

Interactive simulation of Elastic Deformable

Materials (2006)

Efficient simulation of Inextensible Cloth (2001)

XPBD (2017)

Small steps in Physics simulation (2018)
                    Projective Dynamics
```

Projective bymanics

Example-Based Elastic Muterials 12.11)

Fast simulation of Mass-Spring System (2013)

Projective by namics

ADMM 2 Projective bymamics

Post XPBD