



Mathematics and CS Seminar

Direct and inverse simulation of cloth with dry frictional contact

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Host: Chris Wojtan

Dry frictional contact is an essential component to the visual appearance and the dynamic behaviour of worn garments. In this talk, I will present two contributions of my PhD on this topic. In a first part, I will talk about our modification of the popular simulation framework Projective Dynamics (Bouaziz et al. 14) to include frictional contact in a cheap yet robust way. Then in a second part, I will present our method for cloth inversion, aiming at recovering natural ("stress-free") shapes of cloth in frictional contact with external bodies.

Wednesday, March 31, 2021 02:30pm - 03:30pm

Online via Big Blue Button (<https://videoconf.ista.ac.at/b/chr-qtv-mrj-bzo>)



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