Paper Session IV

Deformables

David Lyons
Hsu, Jerry, Nghia Truong, Cem Yuksel, and Kui Wu. "**A general two-stage initialization for sag-free deformable simulations**." *ACM Transactions on Graphics (TOG)* 41, no. 4 (2022): 1-13.
https://graphics.cs.utah.edu/research/projects/sag-free-simulations/

Ruben Partono
Fan, Linxu, Floyd M. Chitalu, and Taku Komura. "**Simulating Brittle Fracture with Material Points**." *ACM Transactions on Graphics (TOG)* 41, no. 5 (2022): 1-20.
https://dl.acm.org/doi/pdf/10.1145/3522573
https://www.youtube.com/watch?v=T7omeVy2zOw

Yuchen Liu
Jin, Xutong, Sheng Li, Guoping Wang, and Dinesh Manocha. "**NeuralSound: learning-based modal sound synthesis with acoustic transfer.**" *ACM Transactions on Graphics (TOG)* 41, no. 4 (2022): 1-15.
https://hellojxt.github.io/NeuralSound/

Earth and Sun

Haoying Zhang
Pałubicki, Wojtek, Miłosz Makowski, Weronika Gajda, Torsten Hädrich, Dominik L. Michels, and Sören Pirk. "**Ecoclimates: Climate-response modeling of vegetation**." *ACM Transactions on Graphics (TOG)* 41, no. 4 (2022): 1-19.
https://storage.googleapis.com/pirk.io/projects/ecoclimates/index.html

Jingguo Liang
Padilla, Marcel, Oliver Gross, Felix Knöppel, Albert Chern, Ulrich Pinkall, and Peter Schröder. "**Filament based plasma**." *ACM Transactions on Graphics (TOG)* 41, no. 4 (2022): 1-14.
https://www3.math.tu-berlin.de/geometrie/wp_padilla/filament-based-plasma/