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Dynamic Simulation of Splashing Fluids. James F. O' Brien and Jessica K. Hodgins. College of Computing Georgia Institute of Technology Atlanta, GA 30332-0280 [obrienj | jkh]@cc.gatech.edu  
Abstract: In this paper we describe a method for modeling the dynamic behavior of splashing fluids. The model simulates the behavior of a fluid when objects impact or float on its surface.

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Dynamic simulation of splashing fluids Abstract: We describe a method for modeling the dynamic behavior of splashing fluids. The model simulates the behavior of a fluid when objects impact or float on its surface. The forces generated by the objects create waves and splashes on the surface of the fluid.

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modeling the dynamic behavior of a fluid. The simulation method allows animation of impacts to the surface of the fluid, splashes, and the waves that arise as a result of an impact. The simulation also models the behavior and effects of objects floating on the surface of a fluid. Because our goal is to provide a method suit-

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a 1995 article, Dynamic Simulation of Splashing Fluids. The authors of this article implemented an algorithm that had previously been presented in the literature before to simulate the flow of fluid in  $O(n^2t)$  time with  $n$  being the resolution of the model and  $t$  the number of time steps involved. ...

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volume, the water body is divided into a grid of

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Dynamic Simulation of Splashing Fluids - CORE Dynamic simulation of splashing fluids. In Proceedings of Computer Animation 95, 198 – 205. Stam, J. Stable fluids. 1999. In Proceedings of SIGGRAPH 99, 121-128. Tome, M. F. and McKee, S. 1994. GENSMAC: A computational marker-and-cell method for free surface

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