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# AN INTERACTING PARTICLES PROCESS FOR BURGERS EQUATION ON THE CIRCLE

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ABSTRACT. We adapt the results of Oelschläger (1985) to prove a weak law of large numbers for an interacting particles process which, in the limit, produces a solution to Burgers equation with periodic boundary conditions. We anticipate results of this nature to be useful in the development of Monte Carlo schemes for nonlinear partial differential equations.

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