

Tuesday, 28 November 2000 First Draft

*Preliminary and Incomplete
Comments Warmly Welcome*

Knowledge Diffusion Dynamics and Network Properties of Face-to-Face Interactions*

* The authors are grateful to Nick von Tunzelmann, Scott Moss, Robin Cowan and Ed Steinmueller for helpful comments in different stages of the work. The usual disclaimers apply.

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ABSTRACT:

This paper aims to understand some of the mechanisms which dominate the phenomenon of knowledge diffusion in the process that is called ‘social learning’. We examine how knowledge spreads in a network in which agents interact by word of mouth. The social network is structured as a network graph consisting of agents (vertices) and connections (edges) and is situated on a wrapped cellular automata grid forming a torus. The target of this simulation is to test whether knowledge diffuses in a homogeneous way or whether it follows some biased path towards convergence or divergence.

JEL classification: D63, O30, R10

Keywords: Diffusion, Inequality, Knowledge, Network, Small world.