

AN APPLICATION OF SD TO MILITARY COMBAT MODELLING

The paper discusses an application of SD to the modelling of ground force combat at about Corps level.

The model is based on Lanchester's equation incorporating concepts for the build-up of combat-ready forces and alternative strategies for their commitment in relation to break-through criteria. These alternative strategies, together with appropriate tactical rules for force employment and deployment, determine what may be regarded as policies for the use of forces.

The model has been used to investigate these policies and the effect of delays in their implementation. Some illustrative results and conclusions are also discussed.