GENESIS: A System for Simulating Neural Networks

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Abstract: support simulations at many it isWe have developed a graphically oriented, general purpose simulation system to facilitate the modeling of neural networks. The simulator is implemented under UNIX and X-windows and is levels of detail. designed to in both applied network Specifically, modeling and in the simulation of detailed, realistic, biologically(cid:173) based models. Examples of current models developed under this system include mammalian olfactory bulb and cortex, invertebrate central pattern generators, as well as more abstract connectionist simulations intended for use