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### **Simulation Model Skill in Cosmology**

ERIC WINSBERG, Univ of South Florida

What role can/could simulation play in supporting, puzzle-solving, modifying, disconfirming, or falsifying  $\Lambda$ CDM and its competitors? I review some of the problems cosmologists have solved or hope to solve using computer simulation, and examine some of problems and successes that have emerged. I draw some conclusions regarding the kind of simulation model skill we should expect to find in Cosmology.