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([narayan.thapa@minotstateu.edu](mailto:narayan.thapa@minotstateu.edu)). *On the Numerical Treatment of Water Pollution Model.*

Water quality management is a critical component of overall integrated water resources management. Mathematical models are now vital tools in water resources management and are currently applied for the solution of environmental problems around the globe. In this talk, a second order partial differential equation model as an Initial Boundary Value Problem (IBVP) will be developed for the estimation of water pollution. Both analytical and numerical solutions of the model will be presented. (Received September 13, 2014)