1163-J5-881   **Itai Seggev*** (`is+research@cs.hmc.edu`), Wolfram Research, Inc, 100 Trade Center Dr, Champaign, IL 61820. *Making Mathematica Work for You in Teaching DEs.*

Mathematica has long been recognized as a powerful system for doing mathematics, including symbolic and numerical differential equations. Perhaps because it has been doing this for so long, it also has a reputation for being difficult to use, especially for differential equations. In this talk I will survey a variety of new and not-so-new ways in which Mathematica has been made more friendly to the differential equations learner, suggest ways to make your own dedicated commands for your class, and generally argue that Mathematica is the right tool for the differential equations classroom. (Received September 13, 2020)