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**Mohammad R Khadivi\*** (mkhadivi@hotmail.com), M.R.Khadivi, Dept. of Math., College of Science Engineering and Technology, Jackson, MS 39217. *Mathematical Philosophies, and Computers in Educational Trends.*

The purpose of this talk is five-fold:

(a) To elaborate on mathematical pedagogy, the application of mathematics, the misunderstanding and the myth around this powerful language; (b) To explain the differences between theoretical solutions and constructive solutions; (c) To explain the influence of technology and its pivotal—in many cases, indispensable—role in teaching, and research, and solving real-world problems; (d) To give examples that show the failure of technology to solve several well-posed problems that possess (constructive) solutions, and to give examples indicating that widely-used software sometimes provides the wrong answer; (e) To discuss the misuse of technology in teaching mathematics, a trend that unfortunately will have adverse effects on learning mathematics. (Received September 26, 2006)