

**ZMATH 2003d.00603**

**Friedman, Robert S.; Deek, Fadi P.**

**Problem-Based Learning and Problem-Solving Tools: Synthesis and Direction for Distributed Education Environments.**

J. Interact. Learn. Res. 13, No. 3, 239-57 (2002).

Discusses how the design and implementation of problem-solving tools used in programming instruction are complementary with both the theories of problem-based learning (PBL), including constructivism, and the practices of distributed education environments. Examines how combining PBL, Web-based distributed education, and a problem-solving environment can create effective learning environments. (ERIC)

*Classification:* Q50

*Keywords:* problem based learning; web based instruction