

**ZMATH 2007f.00431**

**Li, Mingzhen; Fang, Kun; Song, Naiqing**

**Teaching of mathematical modeling in normal university using the cognitive flexibility theory.**

J. Math. Educ. (Tianjin) 16, No. 1, 96-99 (2007).

Summary: Cognitive flexibility theory is a learning theory about acquiring knowledge in ill-structured domains and it can be applied to guide mathematical modeling in normal university. The strategies of teaching mathematical modeling in normal university based on cognitive flexibility theory are explained.

*Classification:* M15

*Keywords:* cognitive flexibility theory; universities; mathematical modeling; teaching methods; China