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***Nudge and the concept of mathematical learning spaces as learning environments for problem classes.***

Rogerson, Alan (ed.), The mathematics education for the future project. Proceedings of the 13th international conference ‘Mathematics education in a connected world’, Catania, Sicily, Italy, September 16–21, 2015. Münster: WTM-Verlag (ISBN 978-3-942197-44-1/pbk; 978-3-942197-86-1/ebook). Conference Proceedings in Mathematics Education 1, 375-384 (2015).

Summary: When dealing with problem solving’ in mathematics education, educators very often concentrate on teaching heuristic methods, assuming that pupils approach all (mathematical) problems in a logical and rational manner at all times, taking all available information and all heuristic rules offered into consideration. Such persons which I call prologs do not exist in reality. Adopting ideas of Sunstein & Thaler’s book *Nudge* I develop the concept of learning spaces with solver friendly choice architecture.

*Classification:* D50

*Keywords:* learning environments; problem solving; learning spaces