

Basia Pieronkiewicz

Affective transgression in learning mathematics

In my presentation I will explain where the idea of 'mathematical transgressions' stemmed from.

The concept of psychological 'transgression' has been introduced by Polish psychologist Józef Koziński. From his point of view, a man is an expansive creature, who intentionally crosses over his own limitations, in order to become who he may be. During the first Mathematical Transgressions conference we have adopted this term into the field of mathematics education. Since then, we have heard about some interesting applications and transformations of this term, i.e. the notion of cognitive transgression, transgressions regarding various didactical problems, transgression as a substitute for the notion of the epistemological obstacle, etc. However, it is the affect domain, that gave birth to the idea of mathematical transgressions. For this reason, I would like to start with some fundamental concepts emerging from this research area, and subsequently, I will introduce the notion of affective transgression, and show how it refers to the problem of low achievement in learning mathematics.

Keywords: affective transgression, low achievement in learning mathematics