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Modelling phenomena as process of mathematization for educational purposes and conversion of representations in different semiotic systems. (La modelización de fenómenos como proceso de matematización para la formación, tratamiento y conversión de representaciones en diferentes sistemas semióticos.)

Hitt Espinosa, Fernando, Didáctica - Investigaciones en matemática educativa II. 35 aniversario del CINVESTAV. , (ISBN 970-625-151-0). 225-241 (1998).

In this paper we deal with the formation, treatment and conversion of semiotic representations by means of modelling phenomena. Consideration is given to semiotic systems of verbal, graphic, numerical and geometrical representation; the physical semiotic system of representation is included and it is taken as a starting point for the teaching process. As a reflection related to the different systems of representation that may be used by students or teachers we designed an experiment taking into account these characteristics: the linearity between two variables by means of modelling the elasticity of resorts. (Authors' abstract)

Classification: E20