

## LEARNING OBJECT IN SERVICE OF MATHEMATICS TEACHERS: MEDIATION STRATEGIES

Prof. Dr. Arilise Moraes de Almeida LOPES  
Fluminense Federal Institute  
Center for Education Technology  
and Distance Education - NTEAD  
Campos dos Goytacazes  
RJ- BRAZIL

Renata Nogueira CARDOSO  
Fluminense Federal Institute  
Center for Education Technology  
and Distance Education - NTEAD  
Campos dos Goytacazes  
RJ- BRAZIL

### ABSTRACT

Facing the Information and Communication Technologies (ICT) in society, the importance of researches to the pedagogical use of digital Learning Objects (LO) in Flash devoted to the teaching and learning of mathematical contents are highlighted. Making use of these LO is to try to promote a rapprochement between educational practices and the digital reality in which young people are included and require appropriate methodologies geared up for the processes of teaching and learning. This study aims to analyze the processes of building pedagogical practices developed by mathematics teacher in the classroom, with the use of LO, relating concepts of Exponential Function and Arithmetic Progression, applied on a high school students group. It promotes a discussion resulting from participant observation discoursing about the mediation strategies as they occurred, and the potential difficulties in interacting teacher-student-LO. It is concluded that the actions were developed not to allow any passive and unilateral discussions.

**Key Words:** Mediation strategies, learning objects, mathematics.