

MATHEMATICAL MODELLING OF NAVIGATION IN ELECTRONIC EDUCATIONAL RESOURCES

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The paper presents models of navigation in electronic educational resources based on binary relations and orgraphs. Properties of these models are discussed, their integral characteristics are introduced. The proposed approach to navigation modeling is in good agreement with the international specifications of SCORM and IMS electronic education, complementing them with specific algorithms for aggregating educational objects into electronic courses and helping students to navigate them.

Electronic education, electronic educational resources, structurization of educational material, model of assimilation, navigation in educational material, oriented graphs, SCORM.

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