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A viewpoint on amalgamation classes

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Abstract: We give a self-contained introduction to universal homogeneous models (also known as rich models) in a general context where the notion of morphism is taken as primitive. We produce an example of an amalgamation class where each connected component has a saturated rich model but the theory of the rich models is not model-complete.

Keywords: model theory, universal homogeneous model, model companion, amalgamation class

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