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Charles Steinhorn* (steinhorn@vassar.edu), Department of Mathematics and Statistics,
Vassar College, 124 Raymond Ave, Poughkeepsie, NY 12604. *Asymptotic and multidimensional
asymptotic classes of finite structures*. Preliminary report.

Asymptotic classes of finite structures and measurable structures were introduced by D. Macpherson and the speaker in an effort to develop a model theory for classes of finite structures that reflects contemporary infinite model theoretic themes. This talk surveys work on that topic, including contributions of several others, and on current research that generalizes those concepts to what are called multidimensional asymptotic classes and generalized measurable structures. This most recent work is joint with Macpherson, S. Anscombe, and D. Wolf. (Received September 15, 2020)