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

*Asymptotic classes* of finite structures and *measurable structures* were introduced by D. Macpherson and the author in an effort to develop a model theory for classes of finite structures that reflects contemporary infinite model theoretic themes. The subject has been further developed by Macpherson's Ph.D. students. Some of this work is reviewed in this talk, following which current research that generalizes these concepts to what are called *multidimensional asymptotic classes* and *generalized measurable structures* will be discussed. This most recent work is joint with Macpherson, S. Anscombe, and D. Wolf.

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