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**John Baldwin\*** (jballdwin@uic.edu), Department of Mathematics MC 249, 851 S. Morgan Street, Chicago, IL 60607. *Set Theory and Infinitary Model Theory*.

The fundamental notions of first order stability theory are absolute. We explore the role of this fact in the development of model theory as an independent subject since the 1970's. We then discuss questions and results about the absoluteness of fundamental notions of infinitary model theory. As in the first order case, amalgamation and  $\omega$ -stability are absolute notions, although of higher complexity. But while  $\aleph_1$ -categoricity is absolute for first order model theory, for  $L_{\omega_1, \omega}$ , absoluteness is an open question. (Received September 14, 2011)