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Ultrametric spaces have special negative type properties. For instance, they are the only metric spaces that have  $p$ -negative type for all  $p > 0$ . In this talk I will discuss the "enhanced"  $p$ -negative type inequalities of finite ultrametric spaces in the limit as  $p$  tends to  $\infty$ . The notion of enhanced negative type provides a quantification of the "strictness" of non-trivial negative type inequalities. This is a preliminary report of joint work undertaken with Ian Doust and Stephen Sánchez at the University of New South Wales, Australia. (Received September 08, 2013)