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Irina Mitrea* (imitrea@ima.umn.edu), Inst. for Mathematics and its Applications, University of Minnesota, 207 Church St. S.E., 411 Lind Hall, Minneapolis, MN 55455. *Topics in quasi-metric geometry.*

The purpose of this talk is to discuss how a number of results of fundamental significance in metric geometry can be extended to the more general setting in which the role of the distance is played by a function satisfying a quasi-ultra metric condition.

I will be emphasizing two topics - one is the nature and structure of Holder functions in this setting and the other one is an adaptation of the Gromov-Hausdorff distance to the framework of quasi-metric spaces. (Received September 22, 2010)