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Zead Mustafa* (zead@qu.edu.qa), Math, Stat & Physics Dept., Qatar University, Doha, Doha 2713, Qatar, and **Vahid Parvaneh, Jamal Rezaei Roshan** and **Zoran Kadelburg**. *b2-Metric spaces and some fixed point theorems.*

The aim of this paper is to establish the structure of b2-metric spaces, as a generalization of 2-metric spaces. Some fixed point results for various contractive-type mappings in the context of ordered b2-metric spaces are presented. We also provide examples to illustrate the results presented herein, as well as an application to integral equations. (Received January 26, 2016)