

**A 0-METRIZATION THEOREM AND ITS APPLICATION TO THE  
0-COMPLETION OF PARTIAL  $b$ -METRIC SPACES**

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**Abstract**

In this talk, we first state a 0-metrization theorem for partial  $b$ -metric spaces. As the application, we show that every partial  $b$ -metric space has a 0-completion which gives an answer to the completion problem for partial  $b$ -metric spaces. We also give the example to support the obtained results.

Keywords: partial  $b$ -metric; 0-completion