

Pure Mathematics Seminar

Sets with few distances

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This talk will be devoted to sets with few distances in compact and discrete metric spaces. I will show a new framework for finding upper bounds on the number of points in sets of few distances for certain spaces and explain how it can be used to improve several bounds in the spherical case. In particular, an almost complete solution for two distances will be presented.

Date: **Friday, November 17, 2017**

Time: **10:00 am**

Place: **Edinburg:** EMAGC 1.324, **Brownsville:** Dean's conference room

The talk will be delivered live at the *Brownsville* campus and will be streamed to the Edinburg campus

Coffee will be served.

For further information or for special accommodations, please contact Dr. Sergey Grigorian via email at [sergey.grigorian@utrgv.edu], or Dr. Alexey Garber at [alexey.garber@utrgv.edu], or visit the webpage <http://www.utrgv.edu/math/news-events/seminars/puremath/index.htm>