

Pure Mathematics Seminar

Krylov Subspaces: Results and Open Problems

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Many iterative methods for solving linear systems and approximating spectra are based on projections onto Krylov subspaces. Understanding the properties of these subspaces allows insight into developing convergence theory for iterative methods. In this lecture, I will discuss recent results and open problems in Krylov subspaces and convergence theory of the iterative methods based on these subspaces.

Date: **Friday, April 8, 2016**

Time: **3:00 pm**

Place: **Edinburg:** MAGC 1.302, **Brownsville:** UBLB 2.206

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

Coffee and cookies 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>