

COMBINATORICS  
SEMINAR

*On a problem in Euclidean Ramsey Theory*

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**Abstract:** An old open problem in Euclidean Ramsey theory asks if the points in  $E^3$  are coloured in red and blue, does there exist either a red pair of points at unit distance or six collinear blue points separated by unit distances? After a short survey of related problems, I will give a positive answer to this problem and outline the proof. This talk is based on a joint work with Sergei Tsaturian.

Friday, April 21, 2017, 4:00 pm  
Mathematics and Science Center: W303

MATHEMATICS AND COMPUTER SCIENCE  
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