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THE WEIZMANN INSTITUTE OF SCIENCE  
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE  
Algebraic Geometry and Representation Theory Seminar

Room 290C ,Ziskind Building  
on Tuesday, Dec 20, 2016at 11:15

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On a bizarre geometric property of a counterexample to the Jacobian conjecture

Abstract:

If  $f, g$  are two polynomials in  $\mathbb{C}[x,y]$  such that  $J(f,g)=1$ , but  $\mathbb{C}[f,g]$  does not coincide with  $\mathbb{C}[x,y]$ , then the mapping given by these polynomials  $((x,y) \text{ maps to } (f(x,y), g(x,y)))$  has a rather unexpected property which will be discussed in the talk.