

Sergei Tabachnikov

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will speak on

Poncelet Grid and the Billiard in an Ellipse

ABSTRACT:

Recently R. Schwartz found an interesting generalization of the classical Poncelet theorem concerning the structure of the so-called Poncelet grid, the set of intersection points of the sides of a polygon inscribed into one conic and circumscribed about another conic (some of these results go back to Darboux). Based on a joint work with M. Levi, I shall explain how to obtain his result from properties of the billiard in an ellipse.

MONDAY, 15 OCTOBER 2007

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3-5 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS