

WYKŁAD WYDZIAŁOWY

w ramach seminarium

ARYTMETYCZNA GEOMETRIA ALGEBRAICZNA

(organizatorzy: Grzegorz Banaszak, Piotr Krasoń)

Czwartek 8 listopada 2018, godz. 14:00, sala 212

Wydział Matematyczno-Fizyczny, Uniwersytetu
Szczecińskiego

ul. Wielkopolska 15, 70-451 Szczecin

prof. Piotr Pragacz

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A new approach to Schubert classes

Abstract: Schubert varieties (or bundles) belong to the most studied algebraic varieties. We shall present several new results about them. We will establish a Gysin formula for Kempf-Laksov flag bundles that desingularize Schubert varieties. We shall also prove a new duality formula for Grassmann bundles. We then combine them to study Schubert bundles, their push-forwards and fundamental classes. This is a joint work with Lionel Darondeau.