

Seminario de Geometría Diferencial y Topología

ANUNCIO CONFERENCIAS

Serge Lawrencenko

Título: Open problems on irreducible triangulations

Día: 22 de Mayo de 2012

Hora: 11:30-12:30

Lugar: Aula 05 - Facultad de Matemáticas

Resumen: Some open problems on irreducible triangulations of closed, punctured, and pseudo surfaces will be addressed. Possible ways to attack those problems will be discussed.

Título: The spectrum for chromatic numbers of spinal quadrangulations

Día: 25 de Mayo de 2012

Hora: 11:30-12:30

Lugar: Facultad de Matemáticas

Resumen: The notion of a spinal quadrangulation will be introduced. Using quite an elementary method, it will be shown that for any pair of non-negative integers g and n so that n is greater than 1 and g is not less than the Betti number of the complete graph K_n , there exists a spinal quadrangulation of a closed orientable surface of genus g with chromatic number n . This is the quadrilateral analogue of a well-known result by Harary, Korzhik, and the speaker (1993) on triangulations cited in White's textbook. It also will be shown that the obtained spectrum of chromatic numbers is complete in the class of spinal quadrangulations. The notion of an interlaced n -cube, versus the usual n -cube, will be introduced and discussed.

Reseña biográfica: El profesor S. Lawrencenko es investigador de reconocido prestigio en las áreas de Matemática Discreta, Informática, Geometría y Topología. Actualmente pertenece a la Primera Cátedra de Matemática Superior de la "National Research University of Electronic Technology (MIET)" en Zelenograd, Moscú. (<http://Lawrencenko.ru>)