

MINICURSO

Some Elementary Problems arising from Hodge Theory

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Período: 4 aulas (4-15/janeiro) de 1H30min

Horário:

Local:

Prerequisite: Basic linear algebra

Abstract

Description: Quite often in mathematics, one finds problems which can be understood and solved with the knowledge of high school mathematics, however, in order to explain their origin, one needs many advanced courses. In this mini course I will explain few such problems arising from Hodge theory and the topology of algebraic varieties. Some rudiments of Hodge theory will be presented in order to give a flavor of the origin of such problems.

Source:

1) Multiple Integrals and Modular Differential Equations, 28 Colóquio Brasileiro de Matemática, p. 168, 2011.

2) <http://w3.impa.br/~hossein/WikiHossein/OlympiadProblems.html>