

Topic Course



TOPIC COURSE IN ALGEBRAIC GEOMETRY:

TOPICS IN MODULI SPACE OF K3 SURFACES AND APPLICATIONS

Prof. Jun Li

Time: 1:30-3:30 pm., Every Wednesday, (First lecture: Oct. 8)

Venue: Room 2201, East Guanghua Tower, Handan Campus

Outline:

10/8: Introduction of K3 surfaces and their moduli spaces.

10/15: TBA.

$$k_3 = hf \left(x_{i-1} + \frac{n}{2}, y_{i-1} + \frac{k_2}{2} \right)$$
$$h_i = \left(\sum_{j=1}^{i-1} a_{ij} x_j^{(k)} + \sum_{j=i+1}^n a_{ij} x_j^{(k)} \right)$$
$$\Delta y_i = \int_{x_i}^{x_{i+1}} y' dx - \left(\sum_{j=1}^{i-1} a_{ij} x_j^{(k)} + \sum_{j=i+1}^n a_{ij} x_j^{(k)} \right)$$
$$\int_{x_k}^{x_{k+1}} f(x, y) dx = \int_{x_k}^{x_{k+1}} y' dx = y(x)$$
$$\sqrt{(y_n + 0.5\tau k_1)^2 + (t_n + 0.5\tau)^2}$$