



## ON SOME FULLY NONLINEAR PDES

Speaker: Dekai Zhang **Shanghai Center for Mathematical Sciences** 

Time: 15:00-15:30, Wednesday, October 16th, 2019

Venue: Room 106, SCMS

## **Abstract:**

In this talk, we will talk about some fully nonlinear elliptic PDEs with geometric backgrounds. Some existence and regularity results of these equations will be reported.

$$k_{3} = hf(x_{i-1} + \frac{h}{2}, y_{i-1} + \frac{k_{2}^{(i-1)}}{2})$$

$$b_{i} - (\sum_{j=1}^{i-1} a_{ij} x_{j}^{(k)} + \sum_{j=i+1}^{n} a_{ij} x_{j}^{(k)})$$

$$x_{i+1} = x_{i+1} x_{j} - (\sum_{j=1}^{i-1} a_{ij} x_{j}^{(k)} + \sum_{j=i+1}^{n} a_{ij$$