

# SCMS Seminar



## ON THE ASYMPTOTICS OF NADARAYA-WATSON ESTIMATOR: TOWARD A UNIFIED APPROACH

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**Time:** 10:00-11:00 am., Friday, December 19, 2014

**Venue:** Room 302, Starr Building, Fudan University

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