

# SCMS Seminar



## FLOWS OF SIGNED GRAPHS - A SURVEY

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**Time:** 16:00-17:00, Thursday, December 28, 2017

**Venue:** Room 2201, East Main Guanghua Tower, Handan Campus

**Abstract:** Integer 6-flow conjecture for signed graphs is one of well-known open problems in flow theory. This survey talk will cover some recent results towards this conjecture (and other relevant open problems) conducted by the group at West Virginia University.

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