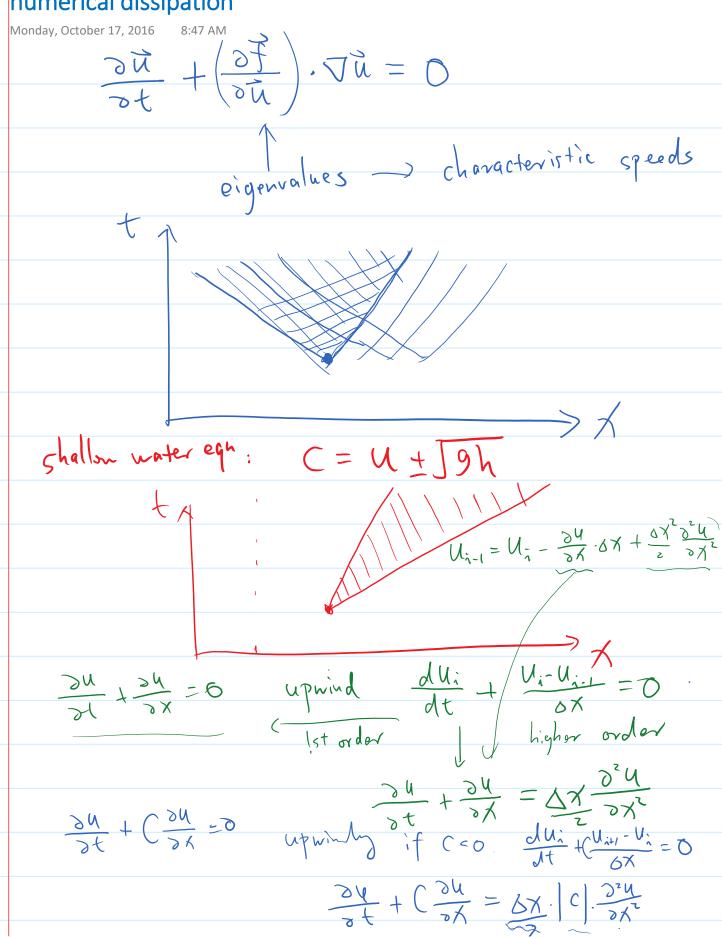
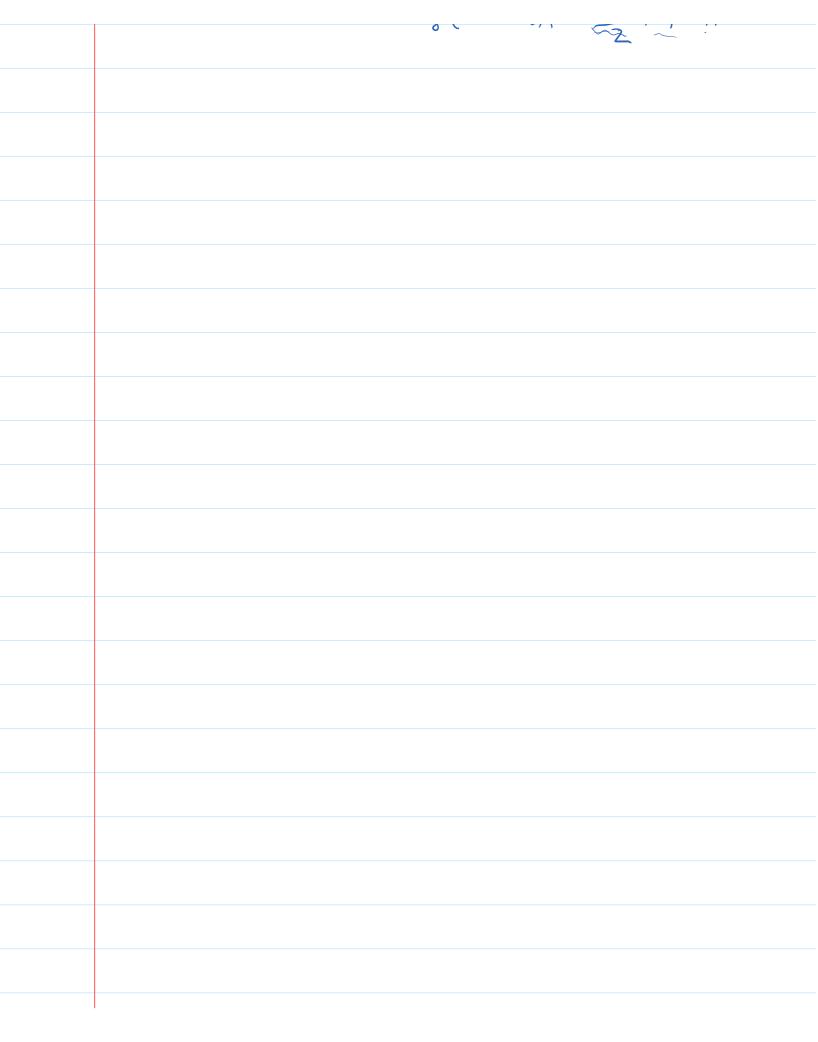
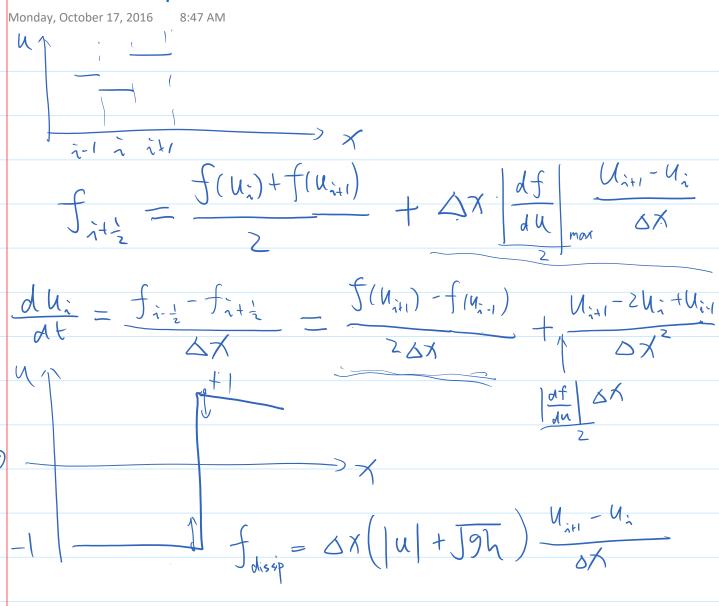
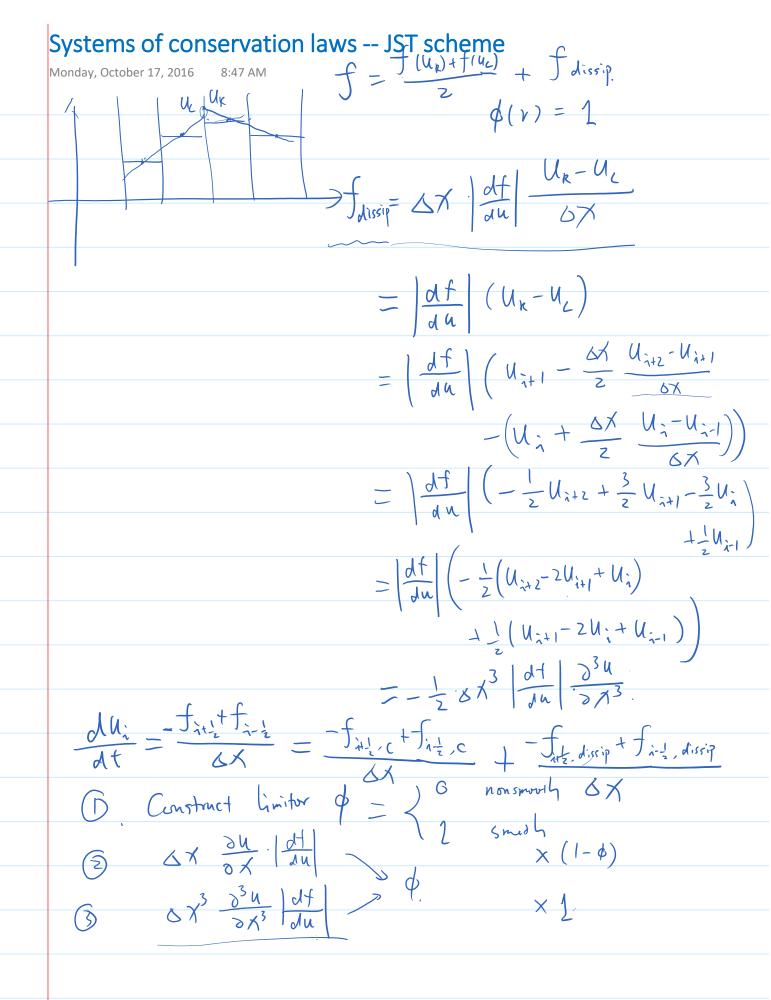
Systems of conservation laws -- flux reconstruction via numerical dissipation



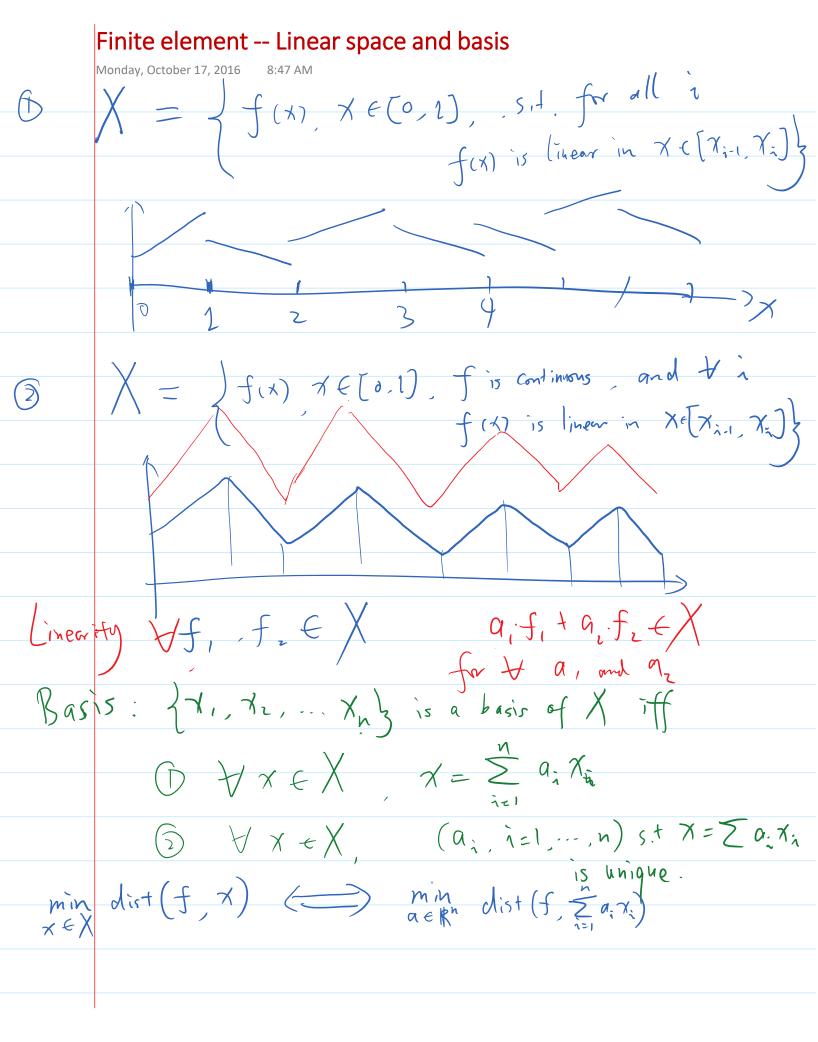


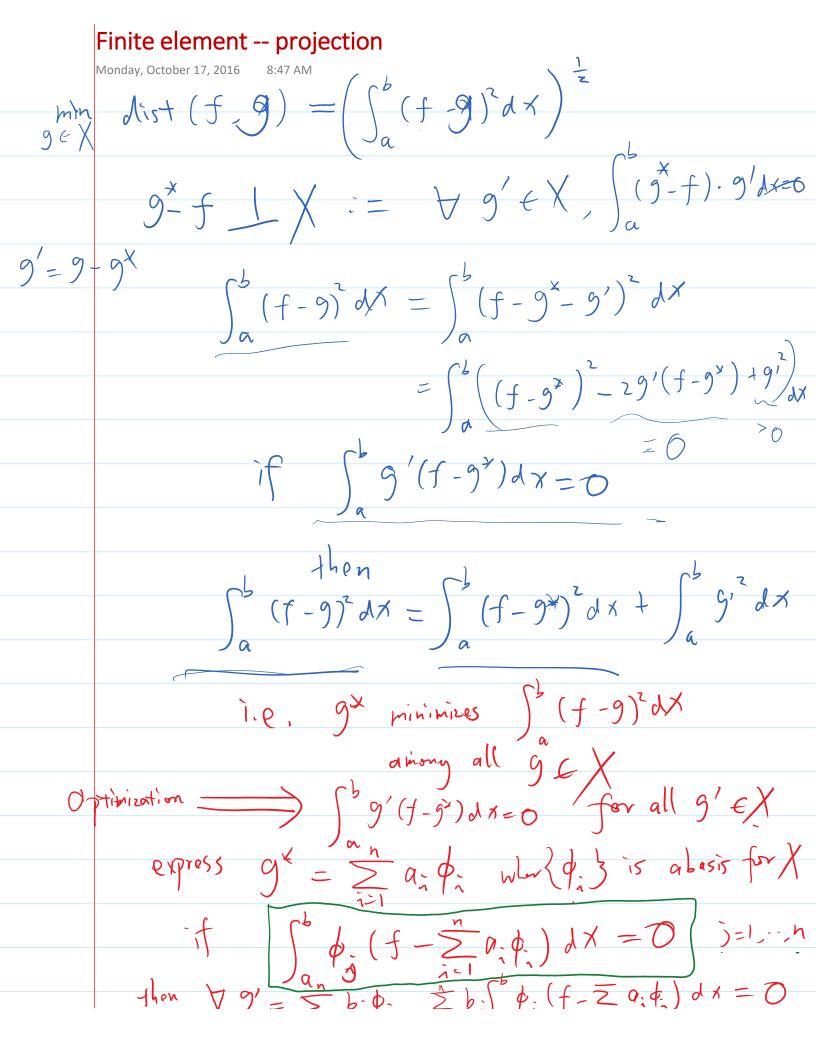
Systems of conservation laws -- flux reconstruction via numerical dissipation

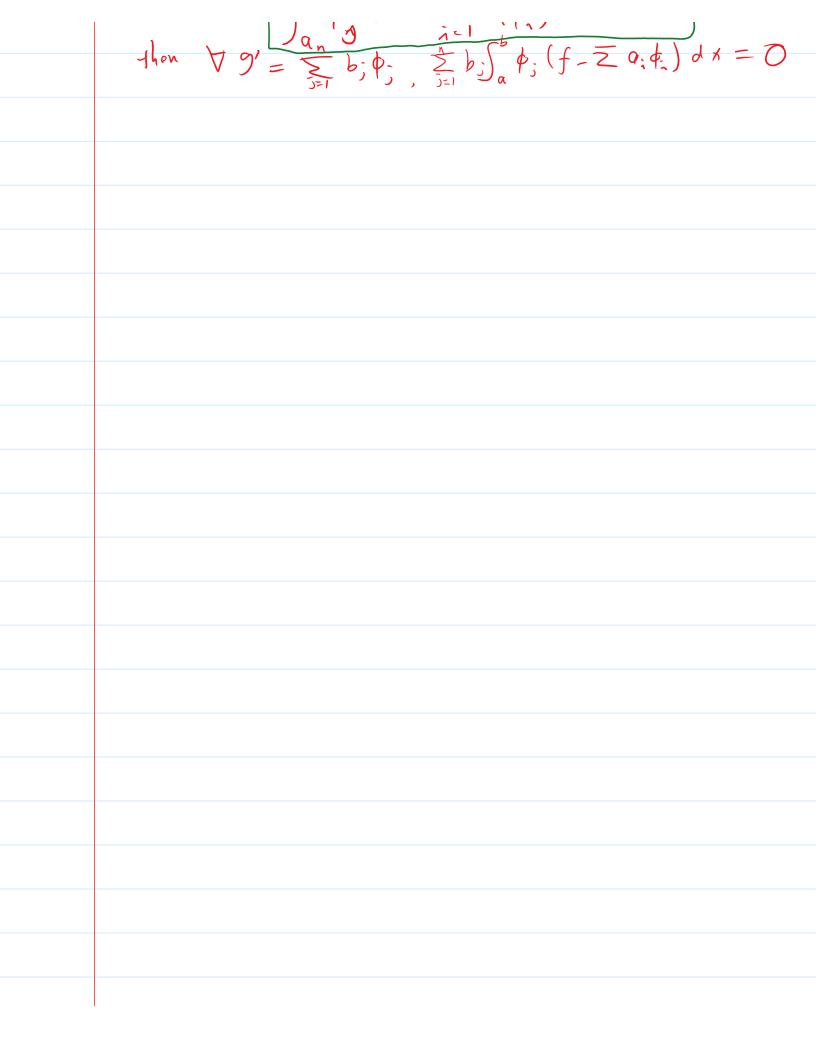




Systems of conservation laws JST scheme
Monday, October 17, 2016 8:47 AM







Finite element -- projection as a linear system

Monday, October 17, 2016

$$\int_{\alpha}^{b} \phi_{j} \left(f - \frac{z}{z-1} q_{z} \phi_{z} \right) dx = 0$$

$$\int_{a}^{b} \phi_{,}f \, dx - \sum_{i=1}^{n} a_{,} \int_{a}^{b} \phi_{,}\phi_{i} \, dx = 0$$
If we construct ϕ_{i}

$$\int_{a}^{b} \phi_{,}f \, dx$$

$$\int_{a}^{b} \phi_{i}f \, dx$$

define
$$b = \int_{\alpha}^{\beta} d_{x} f dx$$

$$\int_{\alpha}^{\beta} d_{y} f dx$$