

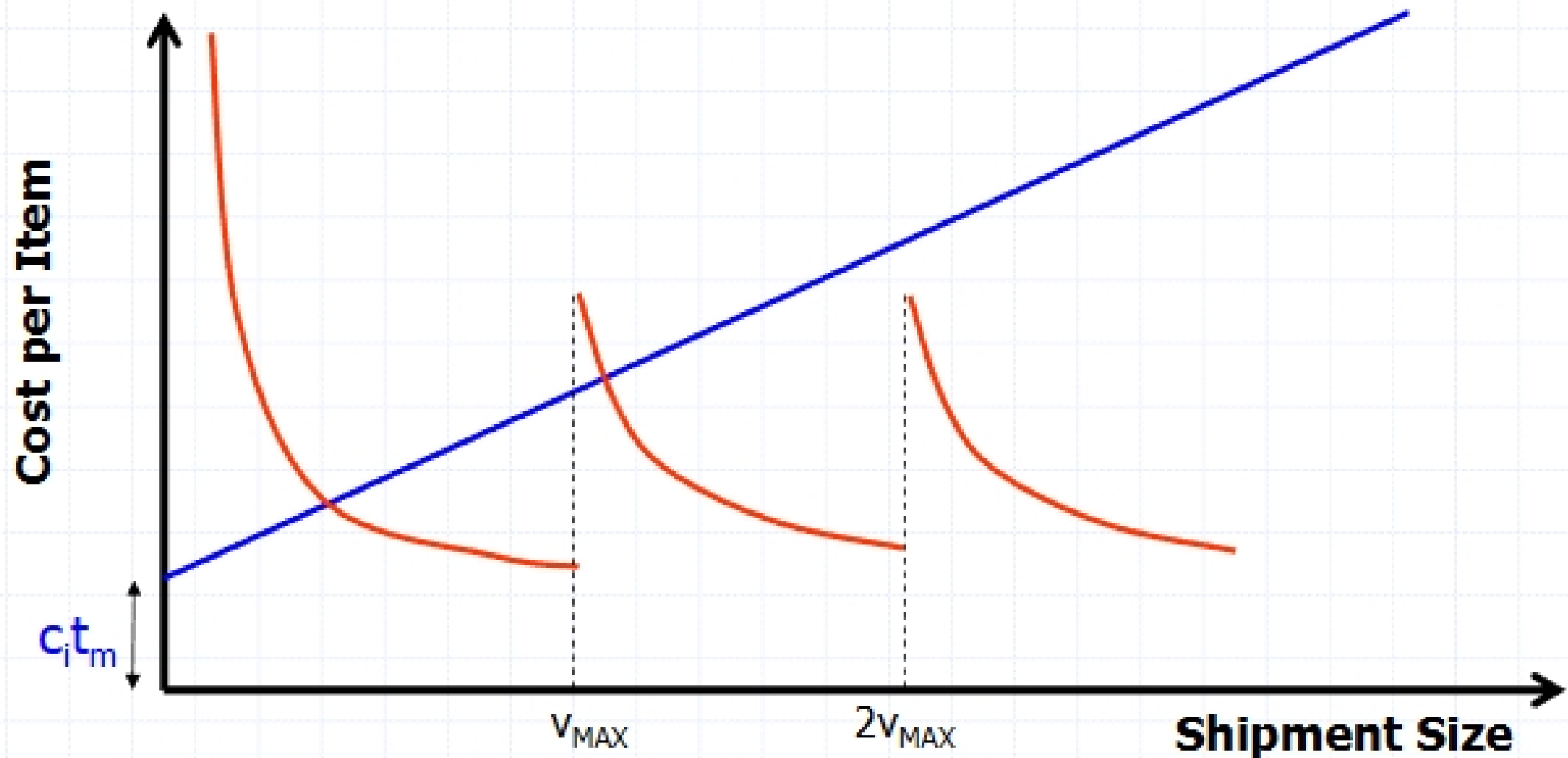
# Transportation II

Lecture 16  
ESD.260 Fall 2003

Caplice

# One to One System

$$LC(\$/item) = c_r H_{MAX} + c_i H_{MAX} + c_i t_m + c_s \left( \frac{1 + n_s}{\bar{v}} \right) + c_d \left( \frac{d}{\bar{v}} \right) + c_{vs}$$



# One to Many System

## Single Distribution Center:

- Products originate from one origin
- Products are demanded at many destinations
- All destinations are within a specified Service Region

## Assumptions:

- Vehicles are homogenous
- Same capacity,  $V_{MAX}$
- Fleet size is constant

