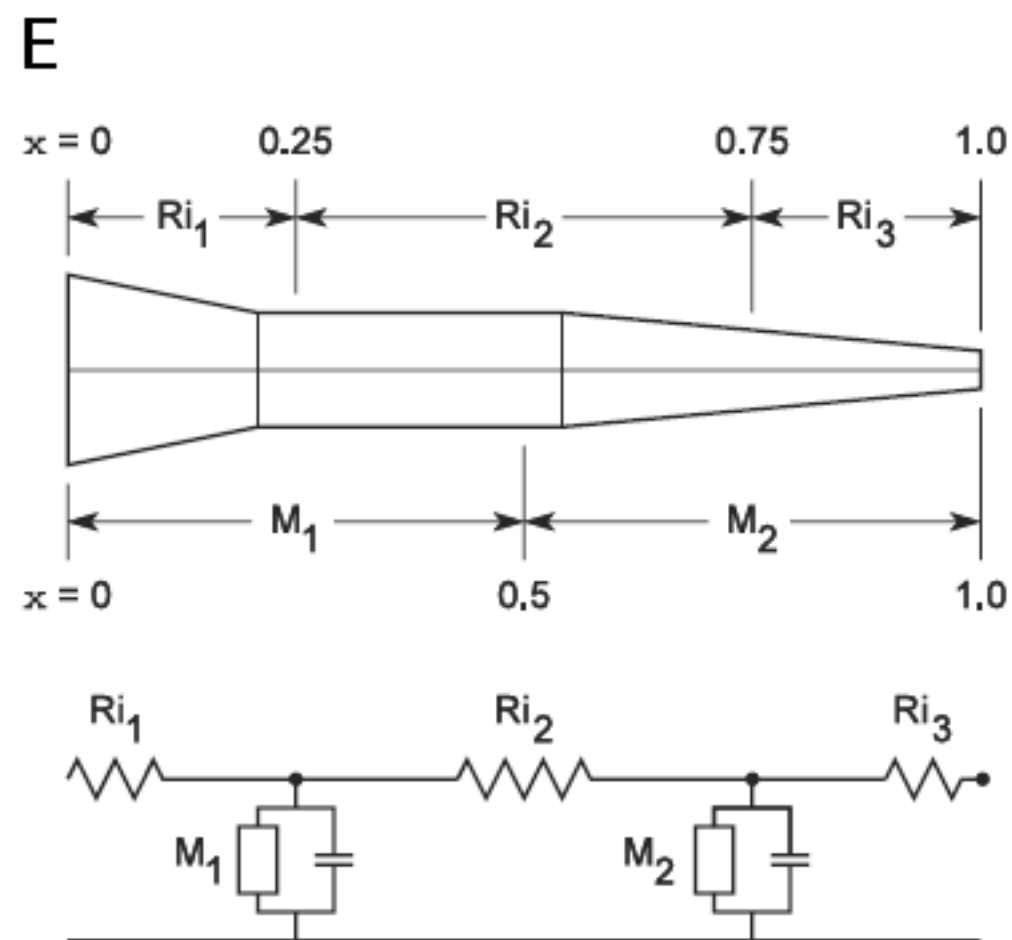
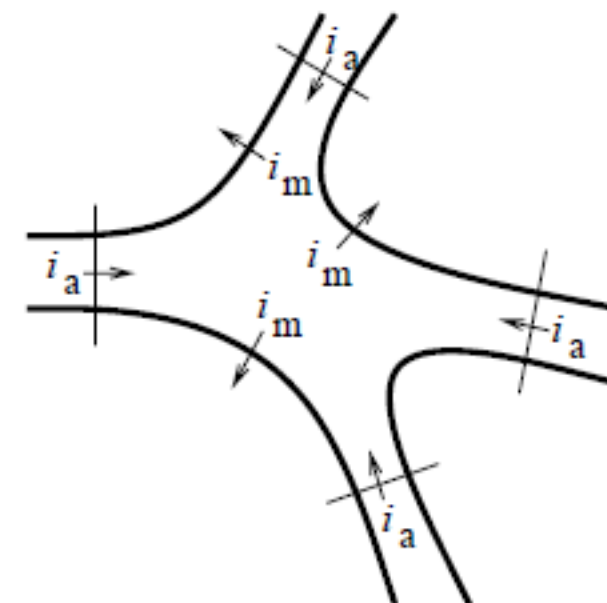


(nseg = 1 : so the central node is used to represent the single-segment section)



(nseg = 2 : so 2 central nodes is used to represent the 2-segment section) - 0.5 split the two segments.



$$c_j \frac{dv_j}{dt} + i_{ion_j} = \sum_k \frac{v_k - v_j}{r_{jk}}$$

k = # of branches at the junction

(A junction as a single segment)