AME	50541	Lecture	5	1/25

Global equilibrium

R: = $\sum_{e=1}^{n_e} \sum_{j=1}^{z} F_e \cdot S_{i, totalight(j, e)} - * \sum_{i \in Sextonel} S = 0$ But

Sum succe all element incline

sum over all element ized diff corresponding to global diff

Competitory Very: $R = F_1' + F_3' - F_{1x} = 0$ $R_2 = F_2' + F_2' - F_{1y} = 0$ $R_3 = F_3' + F_2' - F_{2y} = 0$ $R_4 = F_1' + F_2' - F_{2y} = 0$ $R_5 = F_3' + F_3' - F_4' = 0$ $R_6 = F_3' + F_3'' = 0$

Compatibility

25 = 21 in if \$5.e3 corresponds to global det i i.e., idel Zegold (5.e) = i

= 21 integral(5.e)

= 5. Us. Ss. 1412-14(5.e)

Very: $u_1 = u_1' = u_3'$, $u_2 = u_2' = u_3'$, $u_3 = u_3' = u_4''$, $u_4 = u_4' = u_2'$, $u_5 = u_3' = u_3'$, $u_6 = u_4'' = u_4''$

Element quetions Fe = Ke ue , Fe = 5 Ke ue Assembly Ri = \(\sum_{i} \sum_{j} \sum_{i} \sum_ * Z. Z. Z. K. W. S., wheplatine) ~ Z. Markey = \(\sum_{i} \sum_{s} \sum_{i} \sum_{s} \sum_{i} \sum_{s} = \frac{\sum_{\substack} \substack}{\substack} \frac{\substack}{\substack} \frac{\subs Kis = 5. 5. 2 Key Si, weight (j.e) Ss, weight (ke) Question: what to do with Kik? About to Knowledget (s. e), last get (k,e) what to do with Ke? What get (:, e), last get (:, e), last get (:, e)