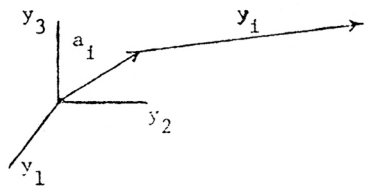
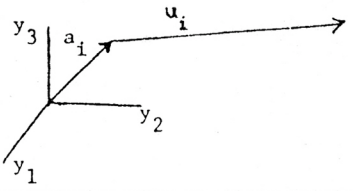
ERRATA SHEET

for

"Continuum Mechanics" by Frederick & Chang

Page	Line	Present Printing	Should Be
32	+6	$\frac{47}{25}\,y_1' + \frac{14}{15}\,y_2' - \frac{21}{25}\,y' = 1$	$\frac{47}{25}\,y_1' + \frac{14}{15}\,y_2' - \frac{21}{25}\,y_3' = 1$
32	+17	$y_1 - 2y_2 = 0$	$y_1 - 2y_2 = 1$
32	-12	$, \quad \frac{y_1 - 2}{y_1^2 + y_2^2 - 4y_1 - 2y_2 + 5} \quad ,$	$, \quad \frac{2 - y_1}{y_1^2 + y_2^2 - 4y_1 - 2y_2 + 5} \quad ,$
63	+6	$\sigma(1) = 1,\ \sigma(2) = 4,\ \sigma(3) = -2$	$\sigma(1) = 1,\ \sigma(2) = 4,\ \sigma(3) = -2$ in ksi
63	Prob.2.5	$\sigma_{ij} \Rightarrow \begin{pmatrix} 2y_1y_2 & -y_1^2 & 0 \\ -y_1^2 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$	$\sigma_{ij} \Rightarrow \begin{pmatrix} 2y_1y_2 & -y_2^2 & 0 \\ -y_2^2 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$
64	Prob.2.6	$\sigma_{ij} \Rightarrow \begin{pmatrix} \frac{52}{7} & \frac{30}{7}\sqrt{3} & \frac{6}{7}\sqrt{21} \\ \frac{30}{7}\sqrt{3} & \frac{67}{7} & \frac{9}{7}\sqrt{7} \\ \frac{6}{7}\sqrt{21} & \frac{9}{7}\sqrt{7} & -5 \end{pmatrix}$	$\sigma_{ij} \Rightarrow \begin{pmatrix} \frac{52}{7} & \frac{30}{7}\sqrt{3} & \frac{-6}{7}\sqrt{21} \\ \frac{30}{7}\sqrt{3} & \frac{67}{7} & \frac{9}{7}\sqrt{7} \\ \frac{-6}{7}\sqrt{21} & \frac{9}{7}\sqrt{7} & -5 \end{pmatrix}$
64	Prob.2.7	$\sigma_{ij} \Rightarrow \begin{pmatrix} \frac{1}{4} & -\sqrt{6} & -\sqrt{\frac{3}{4}} \\ -\sqrt{6} & 2 & -\sqrt{2} \\ -\sqrt{\frac{3}{4}} & -\sqrt{2} & \frac{3}{4} \end{pmatrix}$	$\sigma_{ij} \Rightarrow \begin{pmatrix} \frac{1}{4} & -\sqrt{6} & -\frac{\sqrt{3}}{4} \\ -\sqrt{6} & 2 & -\sqrt{2} \\ \frac{-\sqrt{3}}{4} & -\sqrt{2} & \frac{3}{4} \end{pmatrix}$
75	Fig. 34		
84	+3	$= 2\,E_i\,dy_{ij}dy_j$	$= 2\,E_{ij}\,dy_i dy_j$
136	+2	$= -\frac{1}{\rho}\left(\frac{b_{,i}}{T}\right)_{,i} =$	$= \frac{1}{\rho}\left(\frac{b_i}{T}\right)_{,i}$
197	+13	$(\rho q_i) = q_i\rho_{,i} + \rho\, q_{i,i} = 0$	$\frac{\partial\rho}{\partial t} + (\rho q_i)_{,i} = \frac{\partial\rho}{\partial t} + q_i\rho_{,i} + \rho q_{i,i} = 0$
197	+17	$q_1\,\rho_{,1} + \rho\, q_{1,1} = 0$	$\frac{\partial\rho}{\partial t} + \rho\, q_{1,1} = 0$
24 30	Eq.(1.47)	$-(A_j n_j)_{,i}\,]\,dS$	$- A_{j,i} n_j\,]\,dS$
45	-5	$F = \frac{\partial\phi}{\partial y_1}\ , \quad G = \frac{\partial\phi}{\partial y_2}$	$F = \frac{\partial\phi}{\partial y_2}\ , \quad G = \frac{\partial\phi}{\partial y_1}$