

Homework 13

MSAE-E4201

Spring 2017

Due May 1 before 5.30 pm in course mailbox

- 1) Derive the relationship $\frac{\sigma_{\alpha\beta}}{\sin\theta} = \frac{\sigma_{\theta\beta}}{\sin\alpha} = \frac{\sigma_{\theta\alpha}}{\sin\beta}$.
- 2) Derive $\sigma_{\alpha\beta} - \cos\varphi \sigma_{\theta\alpha} - \cos\delta \sigma_{\theta\beta} = 0$ where $\theta = \delta + \varphi$