

## Homework #5

ME8223

Due: Oct 23

Plastic spin concept in large deformation elasto-viscoplasticity framework is proved to be a necessary constitutive ingredient. It is believed that this quantity correlates with grain orientation and texture development. The question is how the texture can be connected to the plastic spin? What are the constitutive equations for this relationship? Do they consider evolution of texture?

Look into some journal articles and summarize a recent work in this field. Include any figure that shows the model predictions. Prepare your reports in word format and in 3 pages. Submit the original copy of the article that you wrote your report.