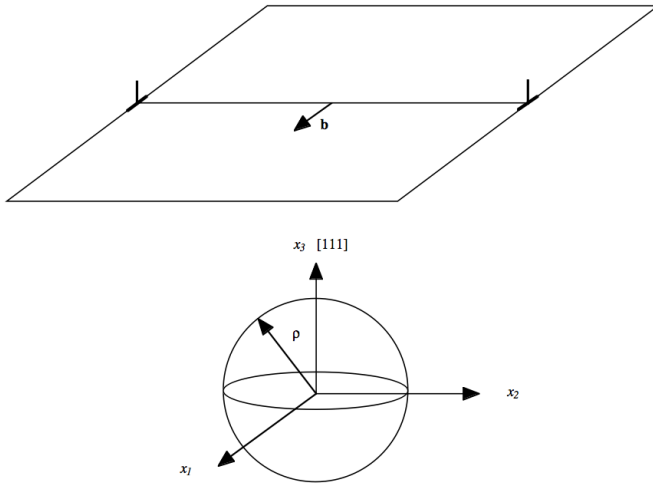


In the lecture notes, we showed that the maximum force for the dislocation to overcome the precipitate field is given as  $F_{max} / (\epsilon \mu \rho b) = 4.0$  or  $2.48$ .



Case	<i>Eigen strains</i> $(c_1, c_2, c_3)$	Slip system containing maximum	Maximum Force position $(x_1, x_3) / \rho$	$F_{max} / (\epsilon \mu \rho b)$ $\nu = 0.5$	$F_{max} / (\epsilon \mu \rho b)$ $\nu = 0.3$
I	(1, 1, 1)	-	$(1/\sqrt{2}, 1/\sqrt{2})$	4.00	2.48

Please conduct the same calculation (isotropic case) and verify this result given in the table. Make a 3D plot of the force field similar to the one given in the lecture notes.