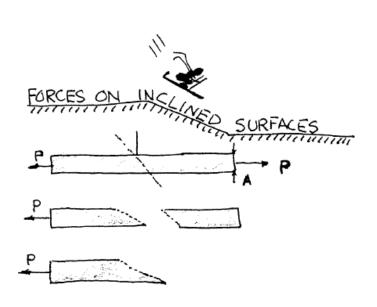
## NOTES: Stress in a link

TENSION *	COMPRESSION IN A LINK W/ PINS D
₹ F	http://www.wikipedia.org
A A	STRESS C A-A IN TENSION
A A	NECULTIVE of STRESS C A-A IN
7 7	COMPRESSION
IN IN	
DRAW THE FREE	BODY DIAGRAMS:
TENSION	COMPRESSION



USE EQUILIBRIUM
TO FIND

N \* V .

(HINT: TILT YOUR

AXES)

## **NOTES:** Stress in a link

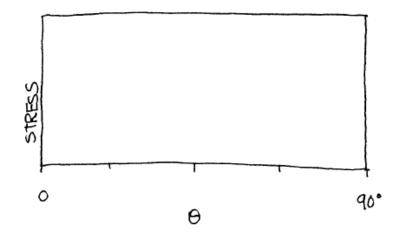
$$\Sigma F_{x, 0}$$

NOW CALCULATE NORMAL & SHEAR STRESSES: (HINT: THINK ABOUT WHAT AREA TO USE.)



$$\tau = \underline{V} =$$

PLOT NORMAL & SHEAR STRESS AS FUNCTIONS of 0:



WHERE IS T=TMAX?

	NOTES:
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I. FOR AN LOAD, WE CAN STILL HAN	VE
2. FAILURE MODE FOR A SPECIMEN IN TENSION OFTEN DESCRIBED AS	ıs
FAILURE PLANE IS " FROM LINE OF ACTION of FORCE.	af
P 8 P	
S Company of the second of the	
FAILURE.	
-AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	

From Oct. 5, 2009 press release, National Institute for Materials Science (Japan)