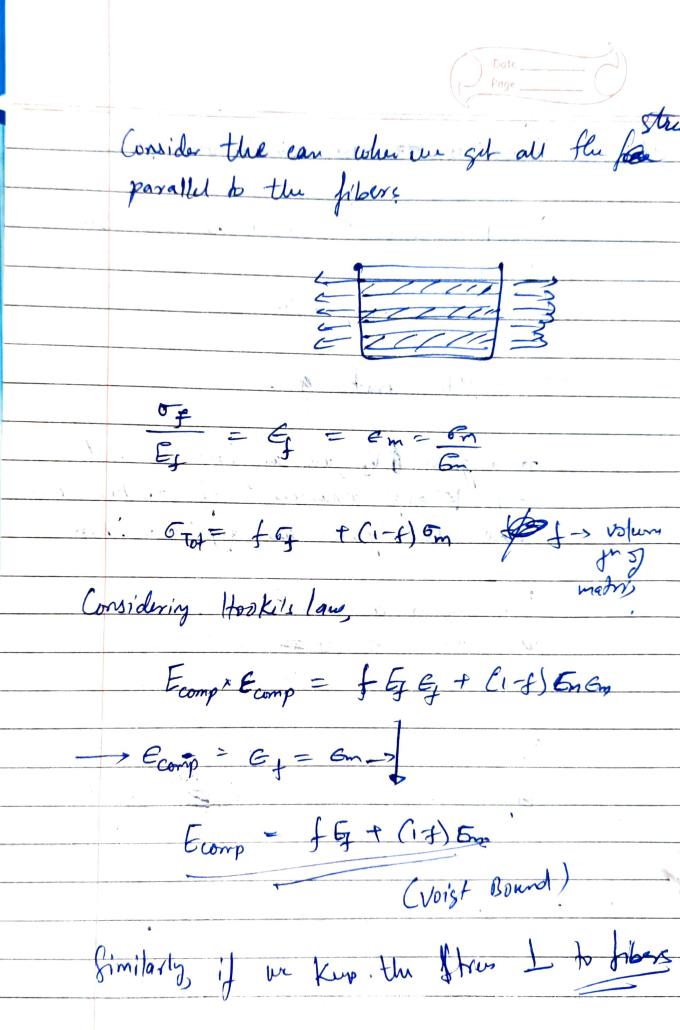


(1.) Composites are have two or more phases. For Any Composite, we can calculate the density as $S = V_{\frac{1}{2}}S_{\frac{1}{2}} + (1-V_{\frac{1}{2}})S_{\frac{1}{2}}$ Vs -> Volum fraction. for a given of Vy we can have several diff Kinds of arrangements of structures and how the forces are applied on them Considering a lani-directional composite, are con howe of diff combing stress of strain in blue the materials. Considering stress as Const, we get the Modulus lower Round (Reus Bound)

Modulus - Strain & Strain & Const we get

Strain Modulus Upper Board

(Voigt Band)





feg+(1-f)6m Reuss gowel