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Crack Mechanics And Crack Propagation Total Energy Of The System Is U And The Crack Length Is $2c$, Then The (cracked) Solid Is At Equilibrium When $DU/dc = 0$ • Work To Extend The Crack Is W • Change In Internal Strain Energy Is U_E • Energy To Create Surface Area Is U_S Then: $U = (-W + U_E) + U_S$ Feb 3th, 2021

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