







Invariant Transformations

- Note that both the eutectic and the peritectic transformations are characterized by isothermal transformations.
- In the cooling curves they are reflected as flat-lines (isotherm) where F = 0 (three phases coexist for that temperature and chemical compositions).
- These are instances of invariant transformations.













An example of a system with monotectoid transformation is the Al-Zn one Atomic Percent Zinc 20 30 40 50 60 70 80 90 100 800 Please write 700 L down the 660.452* equation for the 600 monotectoid ပ္ 500 mperature transformation. 419.58°C (Al) 400 361°C 300 200 Al-Zn-Mg are common aerospace (Zn)-100 structural alloys. 0 20 50 60 80 30 40 10 70 90 100 Weight Percent Zinc Zn A 1













