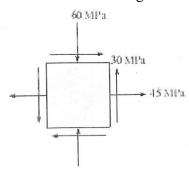
1. Briefly descript what is stress-optical law

2. What is the isoclinic angle?



3. For isochromatics, monochromatic light (dark field) will produce black fringes which are also produced by a parallel arrangement (light field) of the polarizer and the analyzer. What is the relationship between light and dark field fringe order?

- 4. Isoclinic fringe means all the points in this fringe has the same _____ and isochromatic fringe means all the points in this fringe has the same _____.
- 5. Quarter wave plane $(\lambda/4)$ oriented 45 in the circular polariscope to the polarizer will remove _____ leaving _____.

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6. As shown, a ring loaded in diametral compression (top and bottom), where is the max. stress location and the corresponding max. fringe order ? (skip the top and bottom loading region)

