

Plagioclase Composition

Michel-Levy Method

Select a Grain

Cross polars

Choose only crystals

1. With albite twins that show uniform illumination when (010) is parallel to N-S cross hairs
2. With equal extinction angles to right and to left

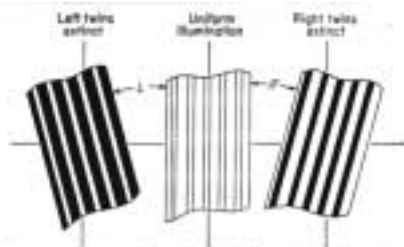
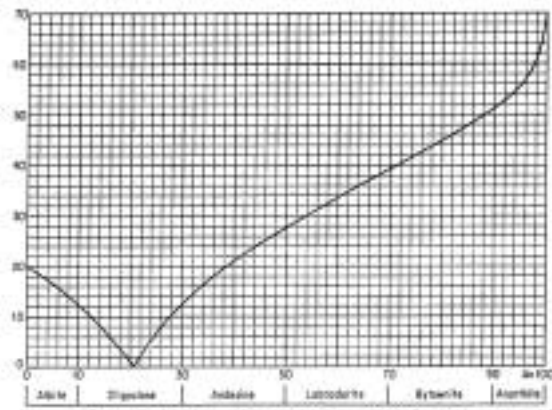


FIG. 13-25. Diagram showing the method of determining the extinction angles in albite twins cut normal to (010) for the plagioclase feldspars (the method of Michel-Levy).

Make Measurements

- Measure a large number (5-10) of crystals, recording the left and right extinction angles
- Select the largest angle measured for plotting on the Michel-Levy chart
- If max angle is less than 20° , then check Becke line to remove uncertainty



Curve showing the variation extinction angle of albite twins cut normal to (010) for the plagioclase feldspars (Michel-Levy's method).