

XI. Shear zones

A. Definition and Geometry

B. Fabrics

1. Foliations

Simple sigmoidal foliation patterns

CS fabrics

Shear bands

Microscopic oblique foliation

2. Lineations

3. Mineral structure of shear zones

a) Undulose extinction

b) Mortar structure

c) Mylonitic rock

Protomylonite

Mylonite

Ultramylonite

d) Crystallographic preferred orientation

C. Matrix - porphyroclast relations

1. sigma structures

2. delta structure

D. Folds in shear zones

1. Refolded folds

2. Sheath folds

XII. Extraterrestrial impact structures

A. Occurrence of impacts

B. Impact crater geometries

1. Simple craters

2. Complex craters

C. Impact processes

1. Contact and compression

2. Excavation stage

3. Modification stage

D. Rock products of impact

1. Shatter cones

2. Impact breccia

3. Impact melt: pseudotachylite

4. Suevite

5. Diaplectic glass

E. Example: Sudbury structure