

III. Folds

A. Geometric description of folds

1. **Description of single folded surfaces**
 - a) in profile
 - b) in 3-D
 - c) fold attitude
 - d) trains of folds
2. **Features of successive surfaces**
 - a) in profile
 - b) in 3-D
 - c) fold attitude
 - d) harmonic and disharmonic folds

B. Fold styles

1. **Folded layers**
 - a) Parallel folds
 - b) Similar folds
 - c) Classification based on dip isogons
2. **Buckle folds**
3. **Kink and chevron folds**
4. **Similar folds (flow folds)**

C. Map techniques for folds

1. **Structure contours**
2. **Stereographic projection**
 - a) Constructions with two planes
 - b) Multiple measurements: Equal area projection
 - c) Contoured plots and statistical analysis
 - d) Conical folds
3. **Axial projection**
4. **Cross-sections of parallel folds**
 - a) Busk method
 - b) Kink method
5. **Vergence, facing, and asymmetry**
 - a) S and Z folds
 - b) Cleavage-bedding relationships
 - c) Facing direction

D. Superimposed fold patterns

1. **Type 1**
2. **Type 2**
3. **Type 3**

IV. Boudins

V. Fabrics

A. Fabric concept

1. Fabric elements
2. L, S and LS tectonites

B. Foliations

1. Common types of foliation

Slaty cleavage
Schistosity
Flattening fabrics
Pressure-solution cleavage, differentiated foliation
Crenulation cleavage
Transposed foliation

2. Relationships to folds

Axial plane foliation
Numbering of foliations S1, S2...

C. Lineations

1. Common types of lineation

Stretching lineation
Mineral lineation
Intersection lineation
Crenulation lineation

2. Relationships to folds

'Down-dip' lineation
Lineations parallel to fold hinges
Numbering lineations