

**IV. 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. Buckle folds**
- 2. Kink and chevron folds**
- 3. Similar folds (flow folds)**
- 4. Sheath 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. Cross-sections of parallel folds**
  - a) Busk method
  - b) Kink method
- 4. Axial projection**
- 5. Vergence, facing, and asymmetry**
  - a) S and Z folds
  - b) Cleavage-bedding relationships
  - c) Facing direction

**D. Superimposed fold patterns**

- 1. Classification of fold interference patterns**
- 2. Numbering of fold generations**

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