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**

V. Boudins

A. In profile

B. In 3D