Anderson fault classification
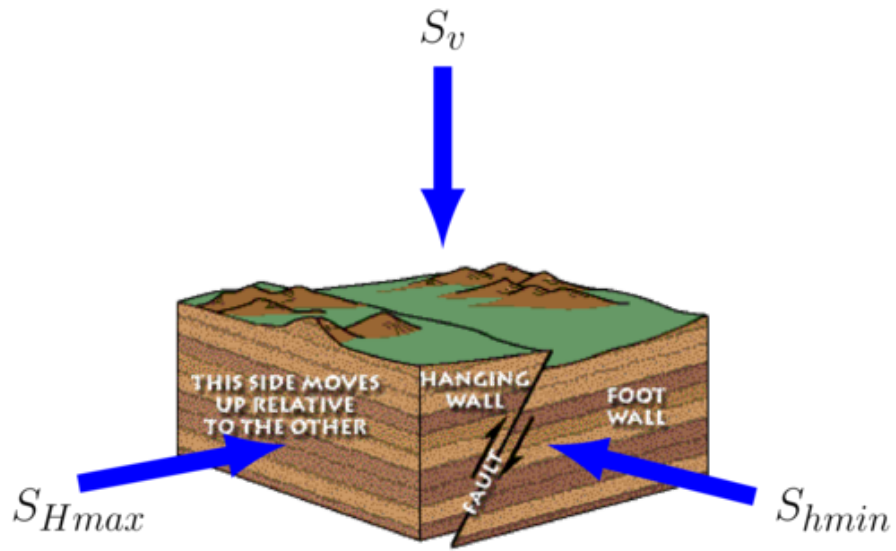
Normal fault
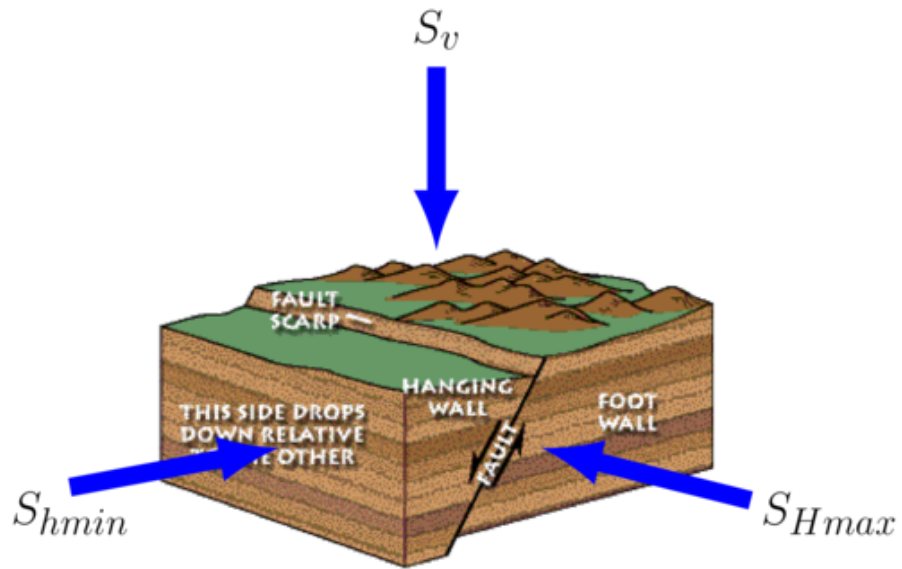
$$S_v > S_{Hmax} > S_{hmin}$$

Reverse fault
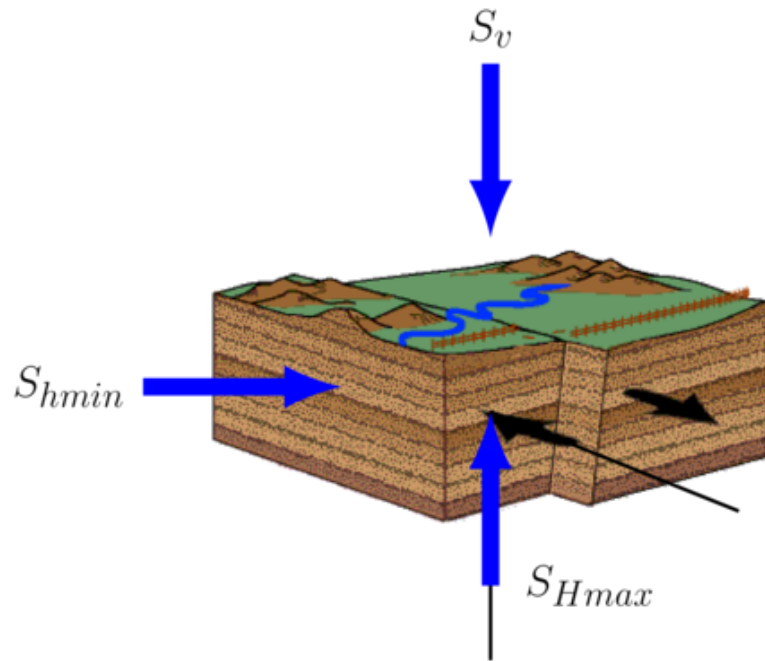

$$S_v$$

$$S_{Hmax}$$

THIS SIDE MOVES UP RELATIVE TO THE OTHER

HANGING WALL

FOOT WALL

FAULT

$$S_{hmin}$$

$$S_{Hmax} > S_{hmin} > S_v$$

Strike-slip

$$S_v$$

$$S_{hmin}$$

$$S_{Hmax}$$

$$S_{Hmax} > S_v > S_{hmin}$$

Summary

Regime	S_1	S_2	S_3
Normal	S_v	S_{Hmax}	S_{hmin}
Strike-slip	S_{Hmax}	S_v	S_{hmin}
Reverse	S_{Hmax}	S_{hmin}	S_v