Observation point (z < 0)

x (North)

θ

y (East)

0

D

L_2

U_3

W_1

U_1

U_2

W_2

δ

L_1

z (Down)

L_1: fault length1 (flength1) W_1: fault width1 (fwidth1)
L_2: fault length2 (flength2) W_2: fault width2 (fwidth2)
D: fault depth (fdepth) U_1: strike slip (u1)
θ: strike angle (fstrike) U_2: dip slip (u2)
δ: dip angle (fdip) U_3: tensile opening (u3)

Semi-infinite medium occupies z ≤ 0.
Dip angle of fault must be 0 ≤ δ ≤ 90 (deg.)