SHmax

330
340
350

gap

-5km

-5km

+5km offset

340°

2nd fault

+5km

1st fault

size: 10X10 km
2 Faults: $\mu_s = 0.6$
$\mu_d = 0.4$

Parameters	Range
Offset distance	-5:+2.5:+5 km
Gap distance	-5:+1:+5 km
SHmax	335°:5°:355°
S parameter	0.1, 0.2, 0.3

$\mu = 0.6$

S=0.3

S=0.1

$\mu_d = 0.4$

Stress-Strength
dimensionless
ratio

$S = \dfrac{\tau_p - \tau_0}{\tau_0 - \tau_r}$

τ (MPa)

30

20

10

0   20   40   60   80   100

σ_n (MPa)

Using SeisSol (Uphoff et al., 2017)
and a linear slip-weakening friction law