Magnitude 6, Dip $=20 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Magnitude 6, Dip $=30 \mathrm{deg}$,Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6, Dip $=45 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Magnitude 6, Dip $=60 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Magnitude 6, Dip $=70$ deg ,Length $=10 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90$ deg, Period $=0.1 \mathrm{sec}$




Magnitude 6.5, Dip $=20 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 6.5, Dip $=20 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 6.5, Dip $=30 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 6.5, Dip $=30 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 6.5, Dip $=45 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 6.5, Dip $=45 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 6.5, Dip $=60 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 6.5, Dip $=60 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 6.5, Dip $=70 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 6.5, Dip $=70 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7, Dip $=20 \mathrm{deg}$, Length $=40 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Magnitude 7, Dip $=30 \mathrm{deg}$, Length $=40 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7, Dip $=45 \mathrm{deg}$,Length $=40 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Magnitude 7, Dip $=60 \mathrm{deg}$, Length $=40 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7, Dip $=70 \mathrm{deg}$, Length $=40 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Magnitude 7.5, Dip $=20 \mathrm{deg}$, Length $=100 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 7.5, Dip $=20 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7.5, Dip $=30 \mathrm{deg}$,Length $=100 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 7.5, Dip $=30 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7.5, Dip $=45 \mathrm{deg}$, Length $=126 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 7.5, Dip $=60 \mathrm{deg}$, Length $=150 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7.5, Dip $=70 \mathrm{deg}$,Length $=100 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 7.5, Dip $=70 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 7.8, Dip $=45 \mathrm{deg}$, Length $=180 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 7.8, Dip $=60 \mathrm{deg}$, Length $=200 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6, Dip $=20 \mathrm{deg}$, Length $=10 \mathrm{~km}$, zTor $=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Magnitude 6, Dip $=30 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6, Dip $=45 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Magnitude 6, Dip $=60 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$




Magnitude 6.5, Dip $=20 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 6.5, Dip $=20 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 6.5, Dip $=30 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 6.5, Dip $=30 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 6.5, Dip $=45 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 6.5, Dip $=45 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 6.5, Dip $=60 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$


Magnitude 6.5, Dip $=60 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.1 \mathrm{sec}$



Magnitude 6, Dip $=20 \mathrm{deg}$, Length $=10 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Magnitude 6, Dip $=30 \mathrm{deg}$,Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6, Dip $=45 \mathrm{deg}$, Length $=10 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Magnitude 6, Dip $=60 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6, Dip $=70 \mathrm{deg}$,Length $=10 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Magnitude 6.5, Dip $=20 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 6.5, Dip $=20 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 6.5, Dip $=30 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 6.5, Dip $=30 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6.5, Dip $=45 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 6.5, Dip $=45 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 6.5, Dip $=60 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 6.5, Dip $=60 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 6.5, Dip $=70 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 6.5, Dip $=70 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 7, Dip $=20 \mathrm{deg}$, Length $=40 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Magnitude 7, Dip $=30 \mathrm{deg}$, Length $=40 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90$ deg, Period $=0.2 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7, Dip $=45 \mathrm{deg}$, Length $=40 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Magnitude 7, Dip $=60 \mathrm{deg}$, Length $=40 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90$ deg, Period $=0.2 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7, Dip $=70 \mathrm{deg}$, Length $=40 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Magnitude 7.5, Dip $=20 \mathrm{deg}$, Length $=100 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 7.5, Dip $=20 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 7.5, Dip $=30 \mathrm{deg}$, Length $=100 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{ser}$


Magnitude 7.5, Dip $=30 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 7.5, Dip $=45 \mathrm{deg}$,Length $=126 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 7.5, Dip $=45 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 7.5, Dip $=60 \mathrm{deg}$,Length $=150 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 7.5, Dip $=70 \mathrm{deg}$, Length $=100 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 7.5, Dip $=70 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 7.8, Dip $=45 \mathrm{deg}$, Length $=180 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{ser}$


Magnitude 7.8, Dip $=45 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 7.8, Dip $=60 \mathrm{deg}$,Length $=200 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6, Dip $=20 \mathrm{deg}$, Length $=10 \mathrm{~km}$, zTor $=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Magnitude 6, Dip $=30 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6, Dip $=45 \mathrm{deg}$,Length $=10 \mathrm{~km}$, zTor $=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Magnitude 6, Dip $=60 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$




Magnitude 6.5, Dip $=20 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 6.5, Dip $=20 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 6.5, Dip $=30 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 6.5, Dip $=30 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 6.5, Dip $=45 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 6.5, Dip $=45 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Magnitude 6.5, Dip $=60 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$


Magnitude 6.5, Dip $=60 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.2 \mathrm{sec}$



Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6, Dip $=20 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Magnitude 6, Dip $=30 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Magnitude 6, Dip $=45 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Magnitude 6, Dip $=60 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6, Dip $=70 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Magnitude 6.5, Dip $=20 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 6.5, Dip $=20 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 6.5, Dip $=30 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 6.5, Dip $=30 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 6.5, Dip $=45 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 6.5, Dip $=45 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 6.5, Dip $=60 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 6.5, Dip $=60 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 6.5, Dip $=70 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 6.5, Dip $=70 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7, Dip $=20 \mathrm{deg}$, Length $=40 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 7, Dip $=30 \mathrm{deg}$, Length $=40 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7, Dip $=45 \mathrm{deg}$, Length $=40 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Magnitude 7, Dip $=60 \mathrm{deg}$, Length $=40 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7, Dip $=70 \mathrm{deg}$,Length $=40 \mathrm{~km}$, zTor $=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Magnitude 7.5, Dip $=20 \mathrm{deg}$, Length $=100 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 7.5, Dip $=20 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 7.5, Dip $=30 \mathrm{deg}$, Length $=100 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 7.5, Dip $=30 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 7.5, Dip $=45 \mathrm{deg}$, Length $=126 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 7.5, Dip $=45 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 7.5, Dip $=60 \mathrm{deg}$, Length $=150 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 7.5, Dip $=70 \mathrm{deg}$, Length $=100 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 7.5, Dip $=70 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 7.8, Dip $=45 \mathrm{deg}$, Length $=180 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 7.8, Dip $=45 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 7.8, Dip $=60 \mathrm{deg}$, Length $=200 \mathrm{~km}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 7.8, Dip $=60 \mathrm{deg}, \mathrm{zTor}=0 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Results of Model: $0.1 \mathrm{sec}, 0.2 \mathrm{sec}$ and 0.5 sec

Magnitude 6, Dip $=20 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Magnitude 6, Dip $=30 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Magnitude 6, Dip $=45 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Magnitude 6, Dip $=60 \mathrm{deg}$, Length $=10 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$




Magnitude 6.5, Dip $=20 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 6.5, Dip $=20 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 6.5, Dip $=30 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 6.5, Dip $=30 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 6.5, Dip $=45 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 6.5, Dip $=45 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



Magnitude 6.5, Dip $=60 \mathrm{deg}$, Length $=18 \mathrm{~km}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$


Magnitude 6.5, Dip $=60 \mathrm{deg}, \mathrm{zTor}=5 \mathrm{~km}$, Rake $=90 \mathrm{deg}$, Period $=0.5 \mathrm{sec}$



