

r/z ratio method running example

1.data preparation

```
xiaohui@localhost:~/Desktop/groundVel$ ls
MIAR.BHE  MIAR.BHZ  TUL1.BHE  TUL1.BHZ  WHTX.BHN  WMOK.BHE  WMOK.BHZ
MIAR.BHN  rz_ratio  TUL1.BHN  WHTX.BHE  WHTX.BHZ  WMOK.BHN
```

2.run the scripts

```
xiaohui@localhost:~/Desktop/groundVel$ cd rz_ratio/
xiaohui@localhost:~/Desktop/groundVel/rz_ratio$ ls
ana_outcr.awk  crco      model.sh  preproc.sh  snr  test.sh
computeVs.sh  filter.m  pick.sh   README      src  vel.sh
xiaohui@localhost:~/Desktop/groundVel/rz_ratio$ sh computeVs.sh 12001 10 5 2.0 0.3
```

3.the result

```
xiaohui@localhost:~/Desktop/groundVel$ ls
bad  evdp  MIAR.r  MIAR.z  result  trav-input  TUL1.t  WMOK.r  WMOK.z
EN   evloc  MIAR.t  ray-p   rz_ratio  TUL1.r      TUL1.z  WMOK.t
xiaohui@localhost:~/Desktop/groundVel$ cd result/
xiaohui@localhost:~/Desktop/groundVel/result$ ls
crco_0.3  ray-p  vs_0.3
xiaohui@localhost:~/Desktop/groundVel/result$ cat vs_0.3
Station Vs  Coef
MIAR 3.0709 0.975143
TUL1 1.40455 0.774831
WMOK 2.50189 0.966517
```