

```
clear all;clc;
count=0;
ff='*****.xls';
station_=xlsread(ff);
num_station=numel(station_(:,1));

for i=1:num_station
    P_spei = '*';
    PET_pm='*';
    n='*';%输入parameter n
    SWI=[];
    SPEI=[];
    for scale=1:48 %定义时间尺度
        if scale==1
            kk=0;
        else
            kk=floor((scale-1)/12)+1;
        end
        %SPEI计算
        data_pm=P_spei-PET_pm;
        SPEI_pm12=SPEI_self2(data_pm,scale);
        SPEI_pm2=SPEI_pm12(13:end);
        %SWI计算
        SWI_PM2=SWI_self2(P_spei,PET_pm,n,scale);
        SWI_pm2=SWI_PM2(13:end);

        SWI=[SWI,SWI_pm2];
        SPEI=[SPEI,SPEI_pm2];
    end
    xlswrite('*')
end
```