2.

a.

PGA:

[['TCU015' 'TCU029' 'TCU076' 'TCU082' 'TCU089']

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b.

[['TCU015' 'TCU029' 'TCU076' 'TCU082' 'TCU089']

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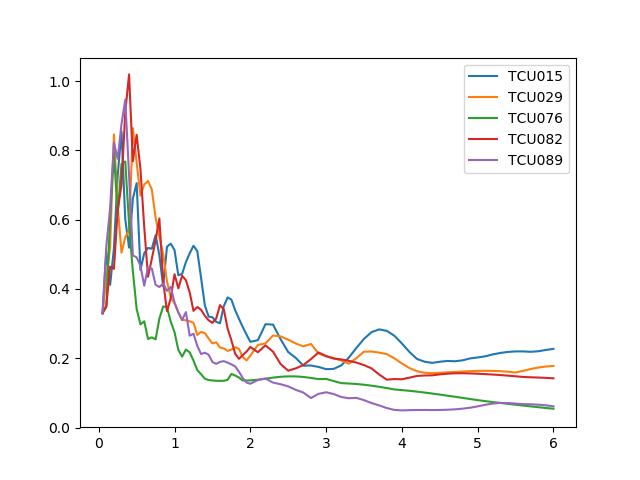
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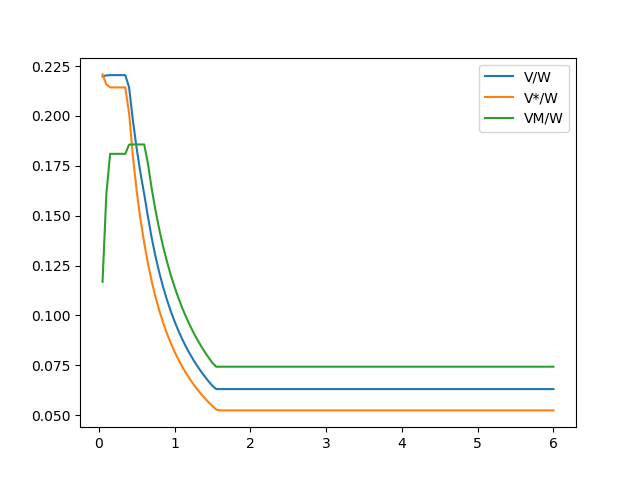
c.

αy：αy is defined as the first yield seismic force amplification factor that is dependent on the structure types and design method.

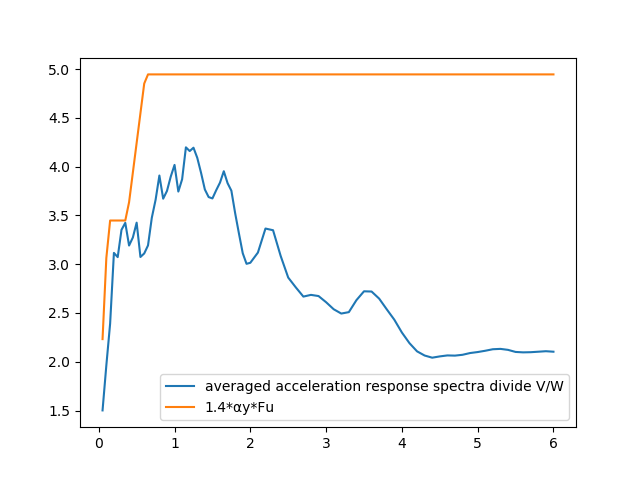
Fu：the seismic force reduction factor. This is based on the equal displacement principle between the elastic and the EPP systems for the long period range and the equal energy principle for short periods.

1.4：the constant 1.4 means the over-strength factor between the ultimate and the first yield force.

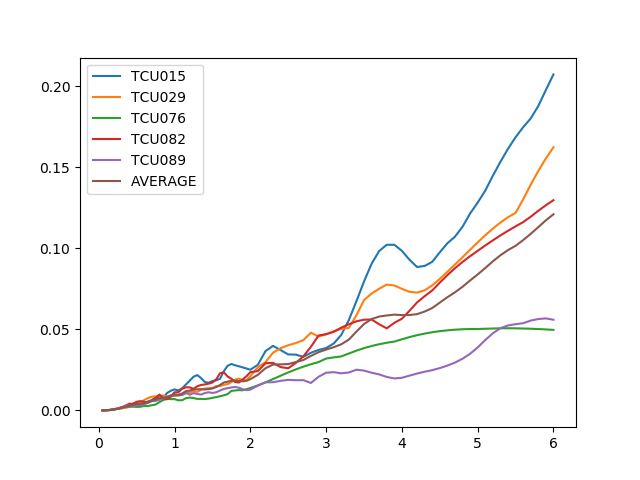
d.



e.



f.



g.

