

# Alternating Block Method

|ABM.Py

```
import numpy as np

def altblocks(idf,dur,dt,RP):
    aDur = np.arange(dt,dur+dt,dt)    # in minutes
    aInt = (idf[0]*RP**idf[1])/((aDur+idf[2])**idf[3]) # idf equation
    - in mm/h
    aDeltaPmm = np.diff(np.append(0,np.multiply(aInt,aDur/60.0)))
    a0rd=np.append(np.arange(1,len(aDur)+1,2)[::-1],np.arange(2,len(aDur)+1,2))
    prec = np.asarray([aDeltaPmm[x-1] for x in a0rd])
    aAltBl = np.vstack((a,b))
    return aAltBl
```

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