

```
#block maxima of time series
```

```
def blockMaxima(x, t, t_st):  
    x=hs  
    t = h  
    t_st = 3. * 60. * 60.  
  
    nblock = int(t[-1] / t_st)  
    block_maxima = np.zeros(int(nblock))  
    for iblock in range(nblock):  
        ix = x[(t >= iblock * t_st) & (t < (iblock+1)*t_st)]  
        nx = len(ix)  
        block_maxima[iblock] = np.max(ix)  
    return block_maxima
```

```
ys=block_maxima  
print(ys)  
print(x)  
print(t)
```

```
[  
[0.439 0.483 0.493 ... 1.618 1.7 1.74 ]  
[ 0. 3. 6. ... 15. 18. 21.]
```

```
print(t_st)
```

```
10800.0
```