



链滴

# 百度地图 将 摩卡托 坐标转换为经纬度 (python)

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来源网站: [链滴](#)

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`#coding:utf-8
MCBAND = [12890594.86, 8362377.87, 5591021, 3481989.83, 1678043.12, 0]
MC2LL= [
[ 1.410526172116255e-8, 0.00000898305509648872, -1.9939833816331, 200.9824383106796,
-187.2403703815547, 91.6087516669843,
-23.38765649603339, 2.57121317296198, -0.03801003308653, 17337981.2],
[ - 7.435856389565537e-9, 0.000008983055097726239, -0.78625201886289, 96.32687599759
46, -1.85204757529826, -59.36935905485877,
47.40033549296737, -16.50741931063887, 2.28786674699375, 10260144.86],
[ - 3.030883460898826e-8, 0.00000898305509983578, 0.30071316287616, 59.7429361844227
, 7.357984074871,
-25.38371002664745, 13.45380521110908, -3.29883767235584, 0.32710905363475, 6856817.
7],
[ - 1.981981304930552e-8, 0.000008983055099779535, 0.03278182852591, 40.316785277057
4, 0.65659298677277, -4.44255534477492,
0.85341911805263, 0.12923347998204, -0.04625736007561, 4482777.06],
[3.09191371068437e-9, 0.000008983055096812155, 0.00006995724062, 23.10934304144901,
0.00023663490511, -0.6321817810242, -0.00663494467273,
0.03430082397953, -0.00466043876332, 2555164.4],
[2.890871144776878e-9, 0.000008983055095805407, -3.068298e-8, 7.47137025468032, -0.00
00353937994, -0.02145144861037, -0.00001234426596,
0.00010322952773, -0.00000323890364, 826088.5]
]

class b4():
def init(self,T,cC):
self.lng = T;
self.lat = cC

class cC():
def init(self,lng,lat):
self.lng = lng;
self.lat = lat

def convertor (cD,cE):
if ( not cD or not cE) :
return
T = cE[0] + cE[1] * abs(cD.lng);
cC = abs(cD.lat) / cE[9];
cF = cE[2] + cE[3] * cC + cE[4] * cC * cC + cE[5] * cC * cC * cC + cE[6] * cC * cC * cC * cC + cE[7]
* cC * cC * cC * cC * cC + cE[8] * cC * cC * cC * cC * cC * cC;

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if cD.lng < 0:
    T= T* -1
else:
    T= T* 1
if cD.lng < 0:
    cF= cF* -1
else:
    cF= cF* 1

return b4(T, cF)

def convertMC2LL(cC) :
    cD, cF=None,None
    cD = b4(abs(cC.lng), abs(cC.lat))
    for cE in range(0, len(MCBAND)):
        if (cD.lat >= MCBAND[cE]) :
            cF = MC2LL[cE];
            break
    T = convertor(cC, cF);
    cC = b4(round(T.lng,6), round(T.lat,6));
    return cC

#摩卡托坐标
mctx= 13032543.02
mkty= 4886595.71
mc=cC( 13032543.02, 4886595.71)
obj = convertMC2LL(mc)
print "摩卡托: ",mctx,mkty
print "经纬度: ",obj.lng,obj.lat
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