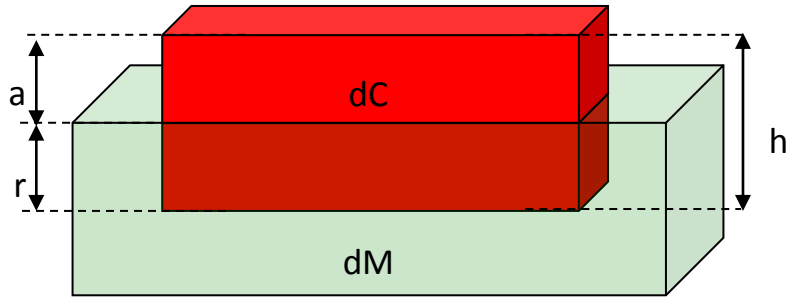
Tracé théorique du Moho sous les Alpes à l'équilibre isostasique

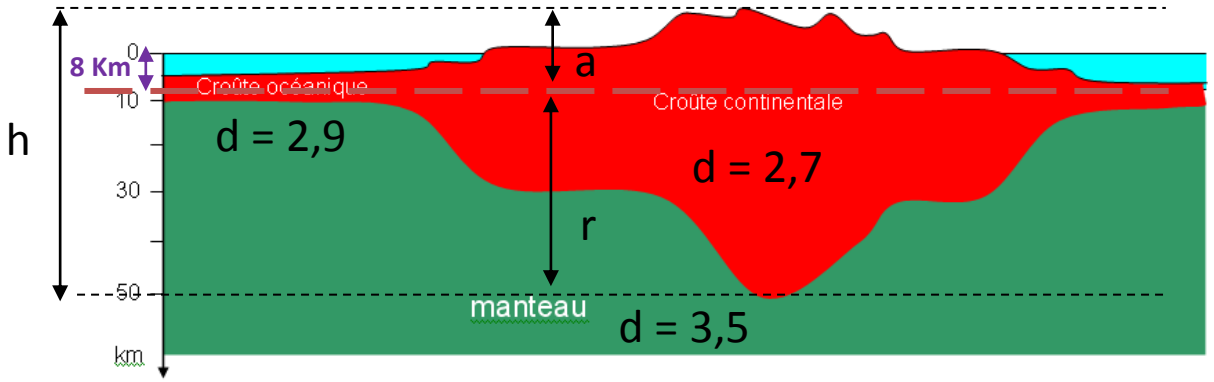


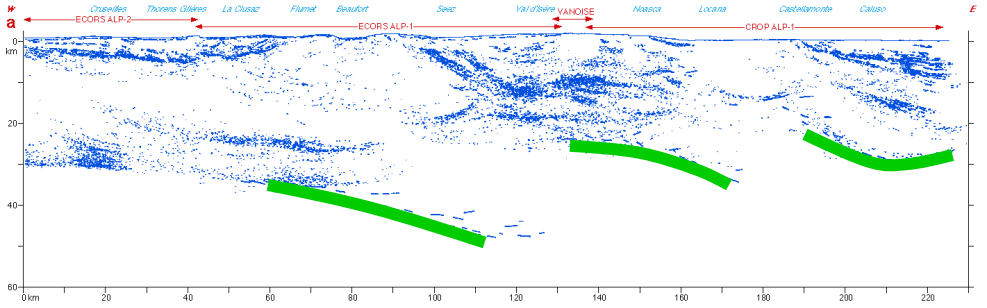
$$\frac{r}{h} = \frac{dC}{dM} = 0{,}77$$

r = 0,77 . h
or h = r + a
Donc on a :
r = 0,77 . (r + a)
r = 0,77 r + 0,77 a
r (1 – 0,77) = 0,77 a
r = 3,3 a

Soit y = les altitudes par rapport au niveau marin
On a approximativement
$r = y_{moho} - 8$ km
$a = y_{topo} + 8$ km

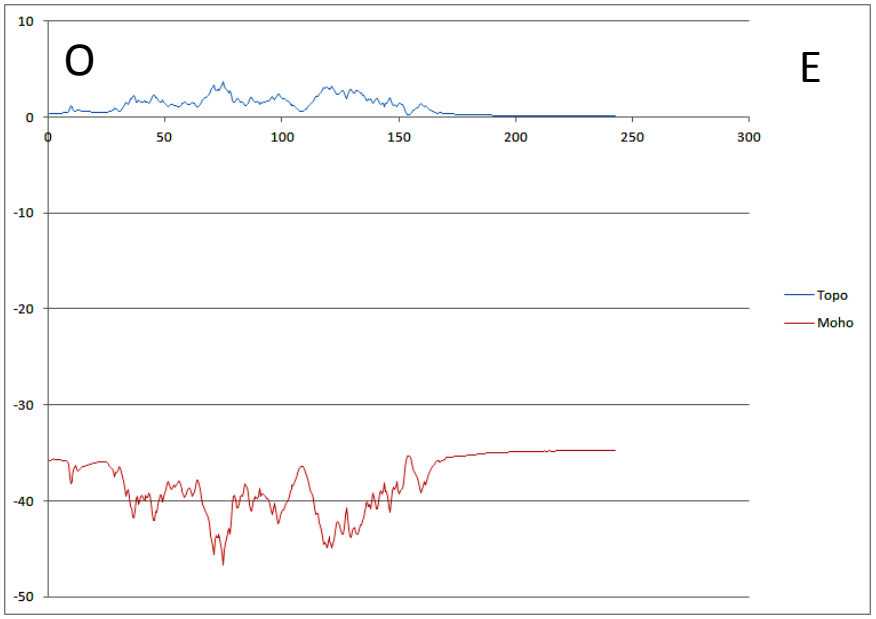
Donc
$y_{moho} - 8 = 3{,}3\,(y_{topo} + 8)$
$y_{moho} = 3{,}3\, y_{topo} + 26{,}4 + 8$
$y_{moho} = 3{,}3\, y_{topo} + 34{,}4$



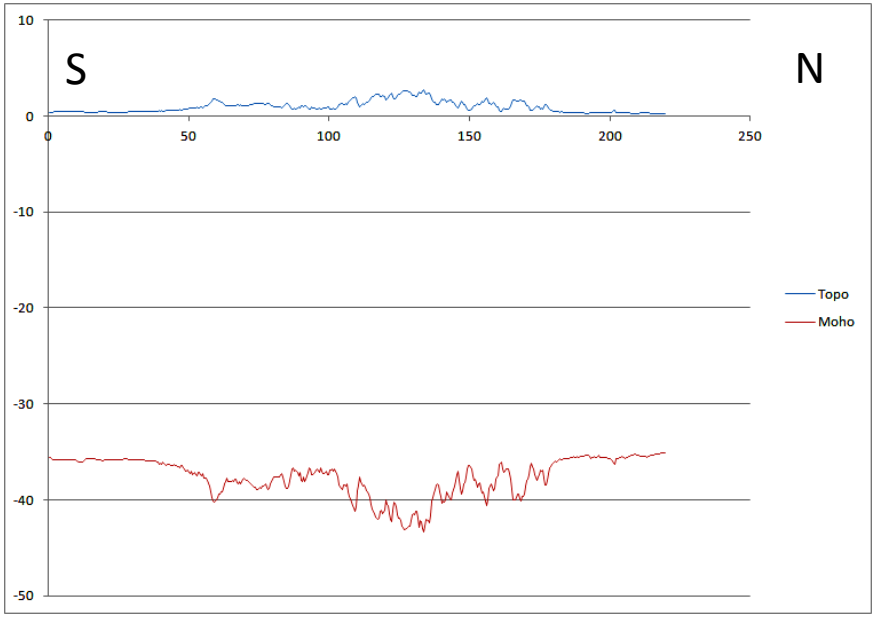


Exemples de résultats

Alpes



Pyrénées



Massif Central