Young plate age = \( \text{Ay} \)

Old plate age = \( \text{Ao} \)

Oceanic crust

Insulating boundary

Adiab. gradient = \( 0.45 \, \text{° km}^{-1} \)

Closed or open boundary

Mantle

Oceanic crust

Weak medium

0 km

1110 km

1665 km

2220 km

444 km