Elastic Plate

Unbroken Plate with volcanic island intraplate load (eg. Gunn, 1943)

Load

Line load equivalent (force at a point)

Distributed load (eg. Gunn, 1943)

Broken Plate with volcanic island intraplate load (eg. Walcott, 1970)

End-loaded plate and foreland basin

orogenic wedge, usually given as line load

Elastic upper crust

Ductile lower crust

intraplate shortening compensation at depth by ductile flow?

intraplate thrusting and basin formation plate is "self-loading"

elastically weakened hanging wall upper crustal material - $h << 1$km

mechanically separated from rest of plate, acts as a cohesionless load