

FORM TO SPECIFY INPUT DATA FOR
OCEAN-BOTTOM MODEL GHORIZ

A constant-height bottom model, i.e., a sphere concentric with the Earth.

$$g(r, \theta, \phi) = h - z_o ,$$

where $h = r - r_e$,

$$\frac{\partial g}{\partial r} = 1 , \quad \frac{\partial g}{\partial \theta} = 0 , \quad \frac{\partial g}{\partial \phi} = 0 ,$$

$$\frac{\partial^2 g}{\partial r^2} = \frac{\partial^2 g}{\partial r \partial \theta} = \frac{\partial^2 g}{\partial \theta \partial r} = \frac{\partial^2 g}{\partial r \partial \phi} = \frac{\partial^2 g}{\partial \phi \partial r} = \frac{\partial^2 g}{\partial \theta^2} = \frac{\partial^2 g}{\partial \theta \partial \phi} = \frac{\partial^2 g}{\partial \phi \partial \theta} = \frac{\partial^2 g}{\partial \phi^2} = 0 ,$$

and r_e is the radius of the Earth.

Specify --

The model check number for GHORIZ = 1.0 (W300)

The input data-format code number = _____ (W301)

The input data-set identification number = _____ (W302)

an 80-character description of the model including parameters:

The constant bottom height, z_o = _____ km, (W303)

(negative if below mean sea level)

OTHER MODELS REQUIRED: Any bottom-perturbation model. Use NPBTM if no perturbation is desired.