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mokhtari@iies.ac.ir

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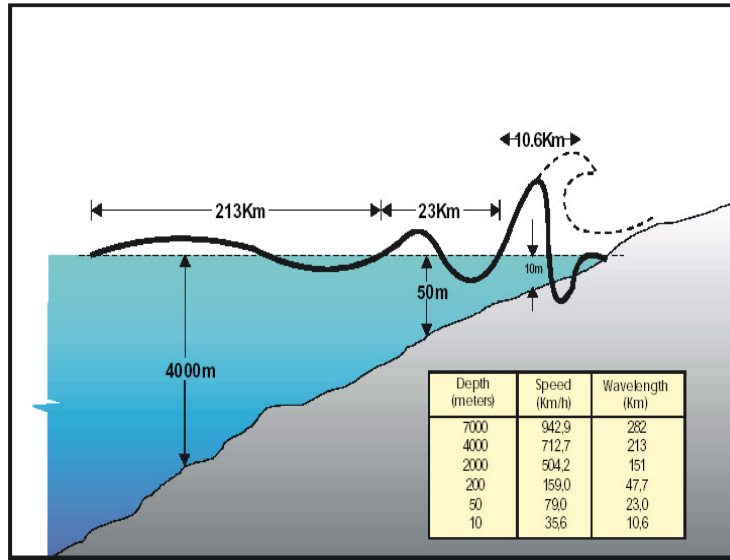
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: ( ) ( ) h  
 $\frac{\delta^2 h}{\delta x^2} = g \nabla \cdot (d \nabla h)$  ( )  
: ( ) ( ) g d ( )

$\frac{\delta^2 h}{\delta t^2} = c^2 \nabla^2 h$  ( )

$c = \sqrt{gd}$

$c = \left( \frac{\lambda T g}{\nu \pi} \right)^{1/4}$  ( )



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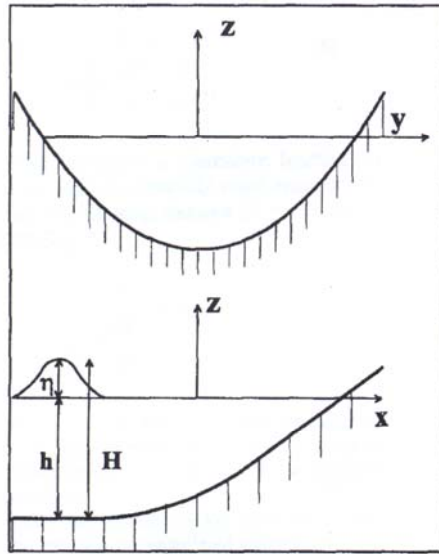
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$Z(x,y) = -h(x) + f(y)$  ( )

x

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$$\frac{\delta u}{\delta t} + u \frac{\delta u}{\delta x} + g \frac{\delta H}{\delta x} = g \frac{dh}{dx} \quad ( )$$

$$\frac{\delta A}{\delta t} + \frac{\delta}{\delta x} (Au) = \quad ( )$$

$A(x,y)$

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$\eta(x,t)$

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$H(x,t) = h(x) + \eta(x,t)$

$u(x,t)$

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$dh/dx$

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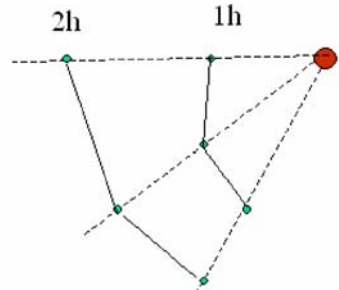
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(c)

$$C = \sqrt{gd} \quad (1)$$

$\alpha$  ( )  $T_{req}$  (S) ( ) ( ) ( )



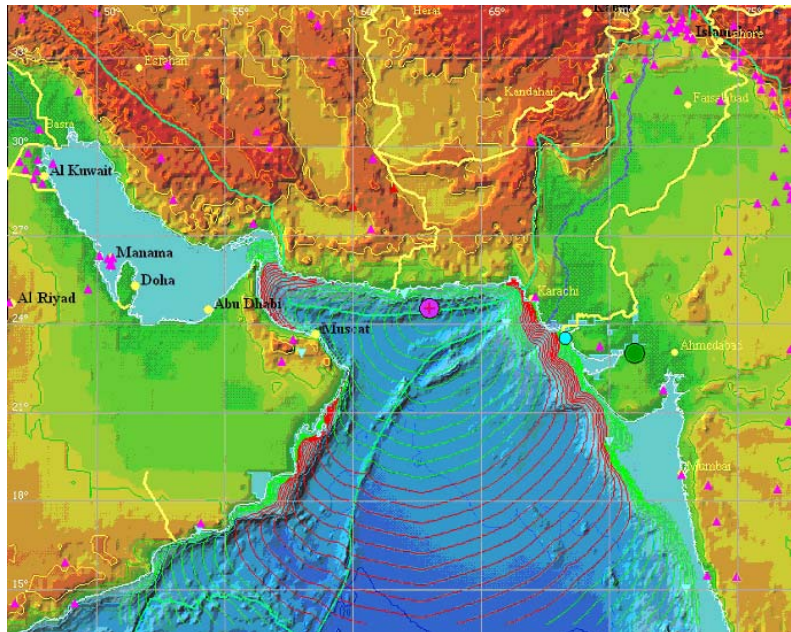
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$$S(\alpha, T_{req}) = \int_0^{T_{req}} \sqrt{gd(x)} dx \quad (2)$$

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