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**Europa: seismic geophysics**

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The Europa has a rich content of geophysical tasks. The ways of solution some from it list are next: modern geomorphology, nonlinear seismology, knowledge of extreme state of Europe ice crust. In accordance of geomorphology search the ice crust is homogeneous matter, original seismicity is absent or very weak, faults are straight and formed by tidal forces; core is small. Exogenous seismicity has high level in compared for example Earth. Simultaneously search of Anthracitic seismicity and seismogram from polar station show that the ice crust thickness will be able to define possibly by seismic methods after one day recording of seismic waves fields by seismometer. The property of Europa ice has peculiarity which formed few broads into inner crust massif which has a nature of phase – pass of second kind. Other main property of ice crust is that all phase broads and beside ice surface water generate high frequency acoustic and seismic noises and electric magnetic radiation which are a source information too.

EUROPA'S CRUST: MODULATED SEISMIC NOISE

