



## **Reflectness propagation of the acoustic – gravity waves in the stellar atmospheres**

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The problem of propagation of the disturbances from lowest to higher layers of stellar atmospheres is discussed in the framework of the dynamics of the ideal compressible gas with non-uniform temperature distribution. The conditions of “non-reflected” propagation of the acoustic – gravity waves are formulated. Following (Talipova et al, 2009; Grimshaw et al, 2010) the ordinary second-order differential equation for “non-reflected” sound speed profiles is derived. The obtained solutions can approximate the real observed vertical temperature profiles in the Sun atmosphere.