

GEOSPHERES' AND HUMAN BEINGS' MUSIC

Comment on «Heliogeophysical and other natural processes, periods of their oscillations and predictions» by B.L. Berry

A.V. Lagutkina, A.N. Nikolsky

¹ Sternberg Astronomical Institute, Lomonosov State University, Moscow, Russia

² Close corporation «Albatros», Moscow, Russia

Abstract. The distribution model of the oscillation periods revealed in natural and social processes developed by B.L. Berry is discussed. It was shown that the progression of 32 notes does not allow the music intervals to be presented with acceptable accuracy. So the analogy of natural processes with music is too superficial. The choice of the even-tempered scale should be considered as unsuccessful attempt from the point of view of possibility in representation of integer-valued (resonant) frequency ratios.

Keywords: periodicity, natural processes, modeling, musical model.