

GRAND SOLAR ACTIVITY MAXIMA AND SOCIOCULTURAL DYNAMICS

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Abstract. The indexes of creative productivity of Ch. Murray [2003] and reconstructed Wolf numbers [Nagovitsyn *et al.*, 2004] were used to study possible influence of Cosmic weather upon sociocultural dynamics. It have been revealed that distinctive V-typical features take place with the duration about 30 years near solar activity maxima in 1125, 1375, 1535, 1615, 1775 and 1845 years. The same pattern is observed separately for the philosophers, mathematicians, writers and painters but for the composers. Synchronous maximum has been observed in cultural dynamics for ancient America and Europe–Asia near solar activity maximum 775 year. The variations of the creativity are different for odd and even 11-years cycles of solar activity.

Keywords: solar-terrestrial relations, cosmic weather, creative productivity dynamics.