Theatrical life and socially-political climate of Russian society: measurement of evolution intensity

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Abstract
In limits of theoretically-informational approach to the occurrence of culture and art, the intensity of theatrical life is scrutinizing as degree of tension of its dynamics, which flows from quantitative estimation of the cultural public mean’s role, their investment in formation and development of art of its aspects and genres and importance of events in different periods of time. Appearance of various creative innovations in theatrical life is conditioning by the level of its intensity.

Keywords: Evolution, intensity, theatrical life, playwriting, socially-political climate society, correlation analysis

1. Introduction
In order to explore evolution intensity in accordance with returns of Theatrical Encyclopedia [1] the biographies of 2004 public men of Russian theatre and 412 playwrights were analyzed. On the basis of the model of centralization by G.A. Golitsyn [2] diagrams of intensity for Russian theatre and playwriting was built. There are some of these evolutionary dependences on the Fig. 1.

![Fig. 1. Evolution of the theatrical life intensity: a) Russian theatre; b) Russian dramatic art.](image)

The interesting aspect of exploring problem is outward interaction. It touches on the interrelations between theatrical life and socially-political climate of society. Its character for the first time was measured by S.Yu. Maslov and described in terms left and right hemisphere’s domination [3].

2. Socially-political climate and theatrical life: measurement character of correlation
Sufficient difference between synthetic and analytic mechanisms connected with types of information treatment, it means that each of them is a certain strategy, which is used by human in the process of cognition and mastery of reality. Each of them has its own logic, its own means of mastery and its own specific sings. The analytic type characteristic at the first position is locality: the new information each time is producing on the basis of small portion of information which came from without. Back to front synthetic type is oriented on globality
mainly: during the information treatment those signs in singled out which is missing during the splitting of fragments.

S.Yu. Maslov established the degree of expressiveness of different types of informational processes and built the evolutionary curve, which characterizes the style of socially-political climate in the society. The given model also helps to understand how left and right hemisphere’s domination influence on evolutions of culture and art phenomena. Discovered by S.Yu. Maslov the periodicity of changing of socially-political climate (the age of which is 50 years), established by variable domination of rationally-analytical and emotionally-synthetic types of consciousness in the society turned out to be synchronous with stylistic changes in architecture, music, art, etc. Significant interest is the research which helps to reveal the analogous interconnection of socially-political climate and intensity of theatrical life.

Fig. 2. Gives an opportunity to compare transitory tendencies in the investigated fields: centralized and softened curves of theatrical life intensity (a) and the curve of the socially-political climate constructed by Maslov (b).

Though the first evolutionary dependence slightly outstrips the second one, both of them reveal periodicity, almost synchronism. This fact seems natural as far as the first one describes the character of a society, while the second one describes recently-born personalities the period of an active creative work of which will come in several decades.

Besides, usually high intensity of theatrical life suits on oscillations of left hemisphere that also seems natural because this type of socially-political climate is characterized by high communicative abilities that are one of the most important requirements of theatre as the kind of art [4].

After the subtraction of the linear trend and calculation of the mutual correlation of the theatrical life intensity curves in the dramatic art field and degree of a style expression with the help of computer program "Waves_Ex" [5], we have got a dependence which is shown on the Pattern 3.

Fig. 3. Mutual correlation of evolutionary curves of theatrical life intensity in the dramatic art field and of the expression degree of socially-political climate of Russian society.
There is a global maximum here: C=+0.34 in case of the lateness of the dramatic art in compare with socially-political climate for 25 years; that means, climax of one or another stylistic origin in the socially-political field causes the rise of dramatic art intensity in 25 years. The same in quantity but negative correlation (C=-0.34) has been got by moving +5 years, i.e. the case when dramatic art outstrips the socially-political climate.

While interpreting the results, which have been got during the analysis of the external links of the theatrical art it should be noticed that the formation of evolutionary intensity dependences was found on years of birth of prominent personalities which have made a great deposit into the art development. And while forming the curve of style changing in socially-political climate M.Yu. Maslov took into account real years of the basic sign of analytics or synthetics domination in Russian society. Obviously, the time of becoming theatre personalities and playwrights makes up 25-30 years, so there are synchronic variations of the intellectual sphere and of the intensity of the theatrical life index in both cases with the correlation coefficient from 0.34 to 0.45.

3. Conclusion

Thus, socially-political climate style change comes out as one of the most important factors of the theatrical art evolution. Moreover, analytical epochs that determine the development not only of theatre but literature as well, influence the development of the dramatic art. In these epochs exactly the dramatic art is characterized with great intensity.

And for theatre proper the degree of expressiveness of the left- and right- hemisphere types of information processes is very important. High intensity of the creative work is connected with clear domination of one or another mechanism.

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References