

## **RELATIONSHIP OF BOSCOVICH'S THEORY AND SAVICH-KASHANIN THEORY**

In the current presentation of the history of atomic structure discovery, the fact that Boscovich's "Theory of natural philosophy" had a crucial influence on Joseph John Thomson to suggest a model of atomic structure, which was further developed by Niels Bohr, has been neglected. That model is named as "Bohr's model of atom", although there are opinions that "Boscovich-Thomson model" is more appropriate. Savich and Kashanin used that model of atom, improved and confirmed, to develop the own theory on the behavior of matter under the high pressures occurred in the interior of planets in Solar system. Having in mind the historical linkage "Boscovich → Thomson → Bohr → Savich and Kashain" it is quite reasonable that there is a high similarity between Boscovich's theory and theory of Savich-Kashanin. It is shown in the paper that other scientists, quite independently, theoretically and experimentally have confirmed the both theories of our scientists.