

Modern Applications of Boscovich's Unified Field Theory

Roger J Anderton
Independent Researcher, UK
r.j.anderton@btinternet.com

Abstract. Boscovich provided a unified theory of point-particles, and this served as basis for modern quantum mechanics. Applications of Boscovich's theory to quantum problems, such as to modern chemistry will be considered based on the work of Dragoslav Stoiljkovich. The works of Stoiljkovich having not been published very much in English, and thus not been more widely known among English-speaking scientists. This author is now engaged in translating these works in corroboration with Stoiljkovich; works that highlight the modern work that is still being pursued based on Boscovich's unified field theory.

References

- Stoiljković D., „Ruđer Bošković - astronom, fizičar i matematičar“, Zbornik radova konferencije „Razvoj astronomije kod Srba IV“, Beograd, 22.-26. april 2006., str. 217-225.
- Stoiljković D., „Teorija Ruđera Boškovića kao putokaz ka kvantnoj mehanici“, Arhe, **2**, 181 (2005)
- Stoiljković D., „250 godina kvantne teorije Ruđera Boškovića“, Kroz prostor i vreme, br. 3, 41-43 (2009)
- Stoiljković D., „Putokazi Ruđera Boškovića“, Planeta, br. 25, 22-23 (2007)
- Stoiljković D., „Ruđer Bošković - preteča savremenog shvatanja strukture atoma“, Hemijski pregled, **49** (3), 54-57 (2008)
- Stoiljković D., „Prazni atomi i popunjena praznina“, Astronomija, br. 25, 25 (2007)
- Stoiljković D., „Od elementarnih čestica do makromolekula – tragovima Ruđera Boškovića u povodu 225. godišnjice izdanja Boškovićeve Teorije“, Polimeri, **4**, 289-291 (1984)
- Stoiljković D., „Makromolekulska hipoteza Ruđera Boškovića“, Svet polimera. **9** (5), 225-230 (2006)
- Stoiljković D., „Importance of Boscovich's theory of natural philosophy for polymer science“, Polimery, **52**, 804-810 (2007)