

ACADEMICIAN V.E.FORTOV AND PHYSICS OF NON-IDEAL PLASMAS IN KAZAKHSTAN

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The role of academician V.E.Fortov in the development of different topics of physics of non-ideal plasmas in Kazakhstan is discussed. The following important problems of physics of non-ideal (dense, strongly coupled) plasmas are considered:

- interaction models between structural components of system;
- thermodynamics of plasmas;
- collisional processes, kinetic and optical properties;
- ordered structure in strongly coupled dusty plasma;
- experimental study of dusty plasma properties etc.

Conclusion about principal role of academician V.E.Fortov in formation of research school in the field of non-ideal plasma in Kazakhstan is made.