



Electrical engineering. A.A. Scherba, V.Kh. Atamonov, I.A. Kurylo, O.V. Koroschenko, V.F. Dennyk. **Theoretical foundations of electrical engineering.** Collection of problems from olympiads: Tutorial.– Kyiv: TOV "Nash Format", 2016. – 190 p. – 300 copies. ISBN 966-8556-37-2.

The tutorial is intended for organizing an independent work and preparation of students for olympiads on Theoretical Bases of Electrical Engineering. It can be used by teachers in practical classes to strengthen the independent component in teaching the students of higher educational institutions of all forms of studying, studying the "Theoretical Foundations of Electrical Engineering" discipline. The tutorial contains the best tasks of the creative olympiad nature taken from the main sections of the theory of electric circuits: 1) linear circuits of direct current; 2)

linear circuits of sinusoid current; 3) circuits with inductive coupling; 4) three-phase circuits; 5) transient processes in linear circuits; 6) nonlinear circuits; 7) quadrupoles; 8) circuits of a non-sinusoidal current; 9) circuits with distributed parameters.