

THEORY

08.04.20

Topic 4. Statistical distribution. The Maxwell distribution. Barometric formula and Boltzmann distribution.

15.04.20

(continuation of topic 4) Transport phenomena in gases. Diffusion. Internal friction in gases. Thermal conductivity of gases.

22.04.20

Topic 5. Real gases. The van der Waals equation of state. Energy of the van der Waals gas. The van der Waals isotherms.

LITERATURE

1. Halliday, David Fundamentals of physics / David Halliday, Robert Resnick, Jearl Walker. – 9th ed. John Wiley & Sons, Inc., 2011.
2. Raymond A. Serway Physics for Scientists and Engineers with Modern Physics / Raymond A. Serway and John W. Jewett, Jr. – Ninth Edition, 2014.