

Работы лаб 161, имеющие отношение к специальности 05.14.03, к поведению оболочек, окислению оболочек, диффузионным процессам в твердых телах

1. Vasiliev A.D., Stuckert J. Application of Thermal Hydraulic and Severe Accident Code SOCRAT/V3 to Bottom Water Reflood Experiment QUENCH-LOCA-0 // Nuclear Engineering and Design, 261, 2013, pp. 352-361.
2. Vasiliev A.D., Stuckert J. Post-Test Calculation of the QUENCH-17 Bundle Experiment with Debris Formation and Bottom Water Reflood Using Thermal Hydraulic and Severe Fuel Damage Code SOCRAT/V3 // Nuclear Engineering and Design, 283, Issue 1, March 2015, pp. 21– 32.
3. Fernandez-Moguel L., Bals C., Beuzet E., Bratfisch C., Coindreau O., Hozer Z., Stuckert J., Vasiliev A., Vryashkova P. SARNET2 Benchmark on Air Ingress Experiments QUENCH-10, -16 // Annals of Nuclear Energy, 74, 2014, pp. 12-23.
4. Vasiliev A.D., Romanovskii V.I. Investigation of Heated Rod Bundle Quenching on the Basis of Calculation Analysis of High-Temperature Experiments. Atomnaya energiya, V. 119, Issue 1, July 2015, p. 16-23. (In Russian).
5. Beuzet E., Haurais F., Bals C., Coindreau O., Fernandez-Moguel L., Vasiliev A., Park S. Cladding Oxidation during Air Ingress. Part II: Synthesis of Modeling Results // Annals of Nuclear Energy, January 2016. DOI: 10.1016/j.anucene.2015.12.031.
6. Vasiliev A., Stuckert J. Application of Thermal Hydraulic and Severe Accident Code SOCRAT/V3 to Bottom Water Reflood Experiment QUENCH-LOCA-1 // J. Nuclear Engineering and Radiation Science, V. 2, N 2, April 2016. P. 021024/1-021024/7.
7. Vasiliev A.D. Role of Zirconium Nitride Formation under Zirconium-Based Claddings Oxidation in Air during NPP Beyond-Design-Basis Accidents // Proc. 22nd International Conference on Nuclear Engineering (ICONE-22), Prague, Czech Republic, July 7-11, 2014. ICONE22-31186.
8. Vasiliev A. Application of Advanced Model of Zr-Based Cladding Oxidation in Steam-Oxygen-Nitrogen Gas Mixtures to Separate Effects Tests and Integral Experiments // Proc. 2015 ASME International Mechanical Engineering Congress and Exposition (IMECE2015), Houston, Texas, US, November 13-19, 2015. IMECE2015-53209.
9. О.А. Дворецкая, П.С. Кондратенко Аномальные режимы переноса примеси в фрактальных средах в присутствии диффузионного барьера, ЖЭТФ, 2013, Том 143, Вып. 4, С. 799-803/
10. П. С. Кондратенко, К. В. Леонов Перенос примеси во фрактальных средах в присутствии деградирующего диффузионного барьера, ЖЭТФ, 2017, том 152, вып.2 (8), стр. 398–404, DOI: 10.7868/S0044451017080168
11. П.С. Кондратенко, Асимптотический подход к описанию неклассических процессов переноса. Принцип Ферма, Письма в ЖЭТФ, 2017, том 106, вып. 9, 581-584.
12. L.V. Matveev, Anomalous nonequilibrium transport simulations using a model of statistically homogeneous fractured-porous medium, Physica A 406, p. 119-130 (2014)