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## Methodical basis for justification of fuel elements operability

© G.V. Kulakov<sup>1</sup>, Y.V. Konovalov<sup>2</sup>, A.A. Kosaurov<sup>1</sup>, A.V. Vatulin<sup>3</sup>

<sup>1</sup>JSC "A.A. Bochvar High-Technology Research Institute

of Inorganic Materials" (JSC "VNIINM"), Moscow, 123060, Russia

<sup>2</sup>Bauman Moscow State Technical University, Moscow, 105005, Russia

<sup>3</sup>National Research Nuclear University MEPhI

(Moscow Engineering Physics Institute), Moscow, 115409, Russia

*The article presents a developed calculation model for fuel elements of nuclear reactors. This model includes complex of interconnected verified techniques and materials properties to be used in calculations, in particular: technique of fuel elements stress and strain state calculations; technique of model verification and fuel elements material properties using experimental data; technique of fuel elements stress and strain state probability calculations; technique for justification of fuel elements operability.*

**Keywords:** nuclear reactor, fuel element, stress and strain state, finite element method.

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**Kulakov G.V.**, Cand. Sci. (Eng.), chief of department, JSC “VNIINM”. Research interests: research in the field of nuclear energy.

**Konovalov Y.V.**, Cand. Sci. (Eng.), Assoc. Professor of the Computational Mathematics and Mathematical Physics Department at Bauman Moscow State Technical University. Research interests: statistical modeling in the field of nuclear energy. e-mail: kon20002000@mail.ru

**Kosaurov A.A.**, director of department, JSC “VNIINM”. Research interests: research in the field of nuclear energy.

**Vatulin A.V.**, Dr. Sci. (Eng.), Professor, National Research Nuclear University MEPhI. Research interests: statistical modeling in the field of nuclear energy.

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