THE FIELDS INSTITUTE

ABSTRACTS 1.2

FOR RESEARCH IN MATHEMATICAL SCIENCES

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Galois coverings of the enveloping algebras of self-injective Nakayama algebras (25-30)

During the talk there will be constructed a special Galois covering $F : E \to A^e$ of the enveloping algebra A^e of a self-injective Nakayama algebra A. The advantage of this Galois covering is that the right A^e - module A is of the first kind with respect to F. Then the τ_{A^e} -period of A will be computed (it is always finite). There will be also given some other applications of the constructed Galois covering.