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## **The global dimension of the algebras of integro-differential operators and their factor algebras**

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We discuss some homological properties of the algebras of integro-differential operators and their factor algebras. In particular, their global dimension and weak homological dimensions are found.

**Keywords:** the algebra of integro-differential operators, the weak homological dimension, the global dimension

**Mathematics Subject Classification 2010:** 16E10, 16D25, 16S32, 16L30, 16S85, 16U20

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