

Invertibility of the functional operators with shift having singularity

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The functional operators with shift in cases, when the shift is a diffeomorphism are well studied. If the shift is ergodic and has one point of singularity, the invariant measure is singular with respect to Lebesgue measure. Therefore in this case situation very difference from a case of diffeomorphisms. By us are obtained a condition of invertibility of the functional operators with shift, when the shift has Break-type singularity point.