Brinon, Olivier
On the injectivity of Frobenius on $p$-adic period rings. (English) Zbl 07423234
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Summary: We prove the injectivity of the Frobenius endomorphism on $\mathcal{B}_{\text{cris}}$, $\mathcal{B}_{\text{max}}$ and $\mathcal{B}_{\text{st}}$.

MSC:
14F30 $p$-adic cohomology, crystalline cohomology
14G20 Local ground fields in algebraic geometry
11F80 Galois representations
13A35 Characteristic $p$ methods (Frobenius endomorphism) and reduction to characteristic $p$; tight closure

Full Text: DOI

References:

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