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Title: The dual spaces of martingale Hardy–Lorentz spaces

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In this paper, the dual spaces of martingale Hardy–Lorentz spaces $H_{p,q}^s$ are identified by use of the technique of atomic decomposition. We show that the dual spaces of martingale Hardy–Lorentz spaces $H_{p,q}^s$ are $\Lambda_2(\alpha)$, where $0 < p < 1$, $0 < q \leq 1$, $\alpha = \frac{1}{p} - 1$.

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