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**S-ASYMPTOTIC AND S-ASYMPTOTIC EXPANSION OF
DISTRIBUTIONAL WAVELET TRANSFORM**

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In this paper we investigate the asymptotic behavior of the distributional wavelet transform at infinity. Using the notion of S-asymptotic at infinity of a distribution from $S'(R)$ and $K'_1(R)$ we obtain results for the ordinary asymptotic behavior at infinity of its wavelet transform. We also analyzed the asymptotic expansion at infinity of the wavelet transform of distributions from $S'(R)$ and $K'_1(R)$ with appropriate S-asymptotic expansion.

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