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*On the support of Fourier transform of weighted distributions*

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**Abstract:** We give sufficient conditions for the support of the Fourier transform of a certain class of weighted integrable distributions to lie in the region  $x_1 \geq 0$  and  $x_2 \geq 0$ .

**Keywords:**  $S'$ -convolution, weighted distribution spaces, Fourier transform

**AMS Subject Classification:** 46F05, 46F10, 46F12

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