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***Some results on the product of distributions and the change of variable***

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**Abstract:** Let  $F$  and  $G$  be distributions in  $\mathcal{D}'$  and let  $f$  be an infinitely differentiable function with  $f'(x) > 0$ , (or  $< 0$ ). It is proved that if the neutrix product  $F \circ G$  exists and equals  $H$ , then the neutrix product  $F(f) \circ G(f)$  exists and equals  $H(f)$ .

**Keywords:** distribution, neutrix product, change of variable

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