

## Integral transformations of hypergeometric functions

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Just before the equation (77):

$$(\tilde{mc}_\mu u)(x, y) := \begin{pmatrix} I_{x,0}^{\mu+1} \frac{u(x,y)}{x-y} \\ I_{x,0}^{\mu+1} \frac{u(x,y)}{y} \\ I_{x,0}^{\mu+1} \frac{u(x,y)}{x} \end{pmatrix} = \begin{pmatrix} \frac{1}{\Gamma(\mu+1)} \int_0^x (x-t)^\mu \frac{u(t,y)}{t-y} dt \\ \frac{1}{\Gamma(\mu+1)} \int_0^x (x-t)^\mu \frac{u(t,y)}{t-1} dt \\ \frac{1}{\Gamma(\mu+1)} \int_0^x (x-t)^\mu \frac{u(t,y)}{t} dt \end{pmatrix}.$$