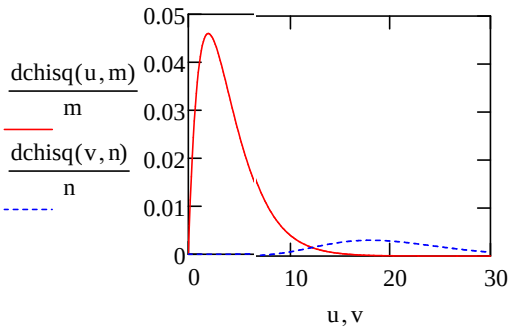
$m := 4 \qquad n := 20$

$u := 0, 0.1 .. 30$

$v := 0, 0.1 .. 30$

$$fu(u) := \frac{1}{2 \cdot \Gamma\left(\frac{m}{2}\right)} \cdot \left(\frac{u}{2}\right)^{\frac{m}{2}-1} e^{\frac{-u}{2}}$$

$$fv(v) := \frac{1}{2 \cdot \Gamma\left(\frac{n}{2}\right)} \cdot \left(\frac{v}{2}\right)^{\frac{n}{2}-1} e^{\frac{-v}{2}}$$



$$fuv(u, v) := fu(u) \cdot fv(v)$$

$$x(u, v) := \frac{\frac{u}{m}}{\frac{v}{n}} \qquad u(x, v) := x \cdot \frac{v}{n} \cdot m$$

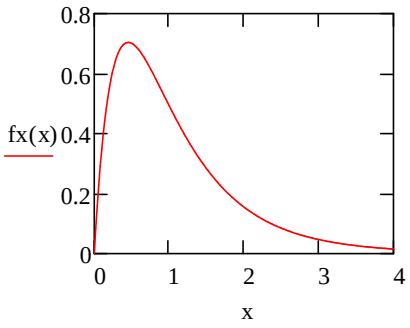
$$J(u, v) := \begin{pmatrix} \frac{1}{m} & -\frac{u}{v^2 \cdot m} \cdot n \\ \frac{v}{n} & \\ 0 & 1 \end{pmatrix}$$

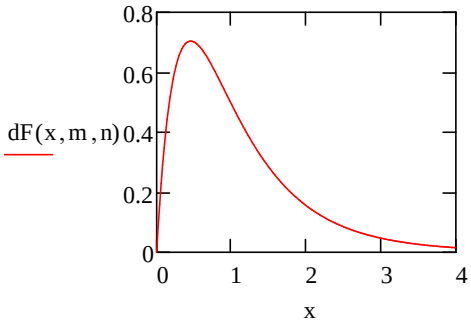
$$fxy(x, v) := fuv(u(x, v), v) \cdot \left| J(x, v) \right|$$

$$J(x, v) := \begin{pmatrix} v \cdot \frac{m}{n} & x \cdot \frac{m}{n} \\ 0 & 1 \end{pmatrix}$$

$$fx(x) := \int_0^{\infty} fxy(x, v)\, dv$$

$x := 0, 0.02 .. 4$





$$\int_0^{\infty} r^{\frac{m+n-2}{2}} \cdot e^{-r}\, dr$$

$$\begin{cases} \lim_{r \to 0^+} \Gamma\left(\frac{m}{2} + \frac{n}{2}, r\right) & \text{if } 0 < \frac{1}{2} \cdot \mathrm{Re}(m) + \frac{1}{2} \cdot \mathrm{Re}(n) \vee 0 < \mathrm{Re}(m) \wedge (n \cdot i) \in \mathbb{R} \\ \text{undefined} & \text{otherwise} \end{cases}$$