FORMULA 3.642.1

$$\int_0^{\pi/2} \frac{\sin^{2\mu-1} x \, \cos^{2\nu-1} x}{(a^2 \sin^2 x + b^2 \cos^2 x)^{\mu+\nu}} \, dx = \frac{B(\mu,\nu)}{2a^{2\mu} b^{2\nu}}$$