

$$w = g(v) \quad v = h(w)$$

$$f_{\cancel{w}}(v) = \frac{\Gamma(\alpha_1 + \alpha_2)}{\Gamma(\alpha_1)\Gamma(\alpha_2)} v^{\alpha_1 - 1} (1 - v)^{\alpha_2 - 1}$$

$$f_w(w) = f_v(h(w)) \cdot |h'(w)|$$

