$$H_{2,1}^{2,3}\left(\cdot\left|\begin{smallmatrix} (1,1),(1,\beta)\\ \left(\frac{d}{2},\frac{\alpha}{2}\right),(1,1),\left(1,\frac{\alpha}{2}\right)\end{smallmatrix}\right)$$

Summary

$$a^* = 2 - \beta$$

$$\Delta = \alpha - \beta$$

$$\delta = 2^{-\alpha} \left(2^{\alpha/2} \alpha^{\alpha/2} + \alpha^{\alpha} \right) \beta^{-\beta}$$

$$\mu = \frac{d-1}{2}$$

$$a_1^* = \frac{1}{2} (\alpha - 2\beta + 2)$$

$$a_2^* = 1 - \frac{\alpha}{2}$$

$$\xi = \frac{d}{2}$$

$$c^* = \frac{1}{2}$$