

Rational fraction

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1 Before you start

$$u = \left(\alpha + \frac{2(\alpha - 1)z(W - x)}{Hx} \right) \left(u_F - \frac{(2n + 1)Ux}{(2m + 1)(2m + 2n + 1)(W - x)} \right)^{-u_F}$$
$$w = \frac{z \left(\frac{(2n+1)U(x(\alpha H - 2(\alpha - 1)z) + 2(\alpha - 1)Wz)}{(2m+1)(2m+2n+1)} - \frac{(\alpha - 1)u_F z(W - x)^2}{x} \right)}{H^2}$$