$$ {}_2F_0(;b;z) = \sum_{k=0}^{\infty} \frac{z^k}{(b)_k k!} \tag{16.3.1} $$

$$ \frac{{}_2F_0(;b;z)}{{}_2F_0(;b+1;z)} = 1 + \mathop{\mathrm{K}}_{m=0}^{\infty} \frac{\frac{1}{(b+m-1)(b+m)} z}{1} \tag{16.3.4} $$