

Normaler Text vor der neuen Umgebung.

Beispiel 6.1 *Anwendung des Transformationstheorems:*

$$\begin{aligned} [z^n]C(z) &= [z^n] \left[\frac{e^{3/4}}{\sqrt{1-z}} + e^{-3/4}(1-z)^{1/2} + \frac{e^{-3/4}}{4}(1-z)^{3/2} + O\left((1-z)^{5/2}\right) \right] \\ &= \frac{e^{-3/4}}{\sqrt{\pi n}} - \frac{5e^{-3/4}}{8\sqrt{\pi n^3}} + \frac{e^{-3/4}}{128\sqrt{\pi n^5}} + O\left(\frac{1}{\sqrt{\pi n^7}}\right) \quad \triangle \end{aligned}$$
