$$C = C_0 \left[\lim_{\lambda \to -\infty} \prod_{n=0}^{\infty} \frac{\lambda_n^1(0)}{\lambda_n^1(q)} \prod_{n=0}^{\infty} \left(1 + \frac{\lambda_n(q) - \lambda_n(0)}{\lambda_n(0) - \lambda} \right) \right]^{-1}.$$