

Exercises

E18.7 [1M1] Prerequisites: [1KZ]. Difficulty: **.

Defining $f(x) = \sum_{n=0}^{\infty} a_n x^n$ where the coefficients a_n were derived in the previous exercise [1KZ], Try to show that the radius of convergence f is positive.^a

^a The proof can be found in Proposition 9.1 on pg 26 in Henri Cartan's book [7].