



27-July 1959

FUNDACIÓ FERRAN SUNYER I BALAGUER

Dear Dr. Sunyer i Balaguer,

Thank you very much for the reprints.

I am including your Theorem 1 in a little book that I am writing on real functions.

I am also including a simpler theorem of the same kind that you may find interesting: let $f(x)$ be continuous and let $f_1(x)$ be any primitive of $f(x)$, $f_2(x)$ any primitive of $f_1(x)$, and so on. Suppose that for each x , some $f_n(x) = 0$. Then $f(x) = 0$.

Another theorem in the same order of ideas:

let $f(x) = \sum_{n=0}^{\infty} c_n x^n$, $|x| < 1$.

For each x let there be an index k such that $\sum_{n=0}^k c_n x^n = f(x)$; that is, for each x let $f(x)$ coincide with some partial sum of its power series. Then $f(x)$ is a polynomial.

Sincerely yours,

R.P. Boas

FOLD SIDES OVER AND THEN FOLD BOTTOM UP
MOISTEN FLAP WELL AND APPLY PRESSURE TO SEAL
NO OTHER ENVELOPE SHOULD BE USED



PAR AVIÓ
AIR MAIL

NO OTHER ENVELOPE SHOULD BE USED
MOISTEN FLAP WELL AND APPLY PRESSURE TO SEAL
FOLD SIDES OVER AND THEN FOLD BOTTOM UP



UAB

Biblioteca de Ciències
i d'Enginyeries

Boas, Orleans, Mass.

**AIR LETTER
AÉROGRAMME**



**VIA AIR MAIL
PAR AVION**

Dr. F. Sunyer i Balaguer
~~Calle Angel Guimera 66 pral 2º~~
Barcelona (8)
Spain *Mad Batlle*
Por Tiquera Kilapan

**NO TAPE OR STICKER MAY BE ATTACHED
IF ANYTHING IS ENCLOSED, THIS LETTER
WILL BE SENT BY ORDINARY MAIL**

FIRST FOLD

SECOND FOLD

FERRAN SUNYER I BALAGUER