FORMULE BINGTIE NEWYON "GENERALISEE"

The (Baile via me siene.)

(A,+,0) un anneau.

Si als = ba alors (a+6)" = \(\frac{\pi}{6}\) (\(\frac{\pi}{6}\) a \(\frac{\pi}{6}\) \(\frac{\pi}{6}\)

Appei. 1

Bintome Newton dans (R, +, .).

Appei.2

Der. de leibniz via:

- · A = End (60 (182, 18)) or Equivalent.
- · + : addi = pt pare pt "usuelle"
- · · : o la composi-

Done ni a E/A, alon a " = ao ao ... oa. ... u Bois

$$\left(\frac{dx}{dx} + \frac{dy}{dy}\right)^{\alpha} = \sum_{n=0}^{\infty} \left(\frac{n}{n}\right) \frac{1^{n}}{1^{n}} \cdot \frac{1^{n}}$$

the Selwary

Justy to the

on appeique à ucx; y: = fcxsqcys

- communité avec $\frac{1}{3x} + \frac{1}{3}$ on aboien:

(= + =) o diag(h) = diago(= + =)(H). OUF!

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Applis

Fin = \( \frac{5}{6} \) (\( \frac{6}{6} \) Fe \quad \( \frac{1}{6} \) \( \fr
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$$\begin{aligned} & \left(F_{m+2n} \right)_{m} = \left(F_{2} \right) \left(\left(F_{m} \right)_{m} \right) \\ & = \left(F_{2} \right) \left(\left(F_{m} \right)_{m} \right) \\ & = \left(F_{2} \right) \left(F_{m} \right)_{m} \\ & = \left$$

Appliche

Eprence de Revenantle: P(X = 0) = 1-p=q P(X = 1) = p $X_1, X_2, ..., X_n var. inde. de loi$ Quelle est la loi de $X_1 + X_2 + ... \times X_n$? Cas pieral $X_i : \mathbb{Z} \rightarrow \mathbb{R}$

oute $P(X_1 + X_2 = B)$ $= \sum_{n=0}^{\infty} P(X_n = n x) P(X_2 = E - n x) Post inde Postout <math>f_{X_1 + X_2} : E \rightarrow P(X_1 + X_2 = E) \dots$ Out Evrit $f_{X_n} * f_{X_n}$ proof- convolue

On choirt donc:

R = R (appliede Z dans IR à support minore)

SuppMin.

Lawrence porte sur

7x+ ...+ = + ... + x. = + " = Prim. " = de couvoler = = (p50 + q5) " -> 5: nymboa de Kronechon

A-t-on So + Sa = Sa + So? S. + S.(R) = E S. (m) f. (R-m) = 8,018,081

Dane So # for = Sq) Am parrage, & eltreutre. De in, 5, +3, = 5,

fx+++x = = = (() p = = q n-E s n-E

Que voust 5 = 5 + - + 50 ? 50 = 5 (ver avoust)

"Iden" power 52 : . 54 +5,(E) = 52(-1) 54(E-1)

fx++++ = = = = (e) p q = = = = = = (e) p q = 5 R

Co Loi bino. Que c'art joli!