TUTORIAT 8 ANALIZA I

Friday, December 10, 2021 6:01 PM

(8) 4=[-4710810,1170[(-9,-8) n@]

11 01 # Arx Arx P- 8 - 6 -

A, A', A, A ET, A, A, A Extina duration of the compact of the comp

AUA=A (F, N-)= A.

6.m-14,4-1 01 4 3c =(-4, 4), 3 x = min {x+4, 4-2} A 2 (x+x, x-x)=(x,x)& io

10018-12-10-11-0, 4-12 = 2 = (-4,10,11) A2A

ASICHH-, C-H-) TO OCCE (= A3H-= x 466 30= -1-5 E(-1-21-1+21

Amareg 10,11 # A.

(= 4 = D 18-P-) = & Brod E AZ(C+4, K-20) TO OCLE C (8-,8-) 1 A 2 (8-,8-) 1 (c+4, c-x) (=

cautius us que (-21-8100)

(F, V-) = A (=)

· 4'=[-4,7]U[-9,-8] PS SO OF STAIN, XUSV FIETH AS SE

アックタの コナンフィンション ヤ・リ エリド -6 -8 -1 + 10 " 99 som ANV, xV=V4, [8-,8-]U[F, V-] = x 4 . " 2° 3 \$ [-4,7] 0 [-9,-8] =1 3 \$ \$ 4' um in Anvioxed = V missip : (8-10-13x. oibà o ade es 1=(x-x,x+2) n++000de ex. 18-, 18+x5)=11=. +8-18-2 Vn4=Ø 90000 + 40Vito x U3V mingo : (4-18-1320 1=(3-2,3+2) x=minfx+8,-4-32 V - 4 - V

Pobooo of AUN toxUz / milios : (00,F) = x.

(F-XE, F)3 V

-(+)+)-|-)

10 A one cel must 2 el.

F-4,7]U[-9,-8]U b10,119

- =(F, p-)/fino15/0[8-,8-JU[F, P-]=A/ A=ARF. [8-,8-]0[11,01, F,4-1=
- (A + A) NU: 6.m-A.
- (A+A)NU: S.m-A.
- (21,0)E= 4: AC: px&m 4.
- (Britanis 9 um 4) NU : Brianman 4.
- (Becothi sun A) un : Gesman A.

CONTINUITATE. DERIVADILITATE

: stobiumitmes

· + ranginas do 16/20)

· Studiem cont. Im O:

(=) by pro
$$0 = \frac{1}{2}$$
 for $0 = 0$ $0 = \frac{1}{2}$ $0 = 0$

= + este continuit sin 0=)

=> of este continued yell.

+ ense cour zu 20 (=) (sim +121-+120)

Desirabilitate:

=
$$\frac{1}{(-1)^{2}} \times + \frac{1}{(-1)^{2}} \times + \frac{1}{(-1)$$

= oscho] - 32 +1

= 02chg/- 32+1 . Studiem dois . Im 0: 7/10)= lim 7(x)-7(0) (p < 0) p -10 74'(0)= eim -2(x)-2(0)= eim 2(x)= 3E>0 4 e douisabilà in æd=> 4/20/24d(20) €R.

0 mi 28 ideaires 3 mm & (0) 1/2 + (0) 1/2 +

$$4(2) = (2 \cos \frac{\pi}{2} + \cos (2\pi + 1) \cos (2\pi + 1)) \cos (2\pi + 1)$$

$$(6) + (6) +$$

Continuitate.

(--.) (00,0) up Kumitras 2.

. Studiem cont. In o:

10 3 - 10 (3 ca) 1 + 60 (3 t 3 + 1)

5.m (3.00) = 0(0.mg) Dim 2012+2+1) L'H

= dim (2x41)

= $\frac{3}{2}$ = $\frac{3}{2}$ = $\frac{3}{2}$ = $\frac{3}{2}$.

= 1 m +(x)=0+1=1=4(0)=)

=) Le cont. sinc =)

=> fe cont ye [0,00].

Desiralistatea.

· 7 e dois, qu(0,0) (....)
· Studiem dois un 0;

= lim = lim = (x) - f(0) = lim = (x) - \frac{1}{2} = \frac

= lim (cos [

=
$$\lim_{x \to 0} (\cos \frac{1}{x}) = \lim_{x \to 0} (\cos \frac{1}{x}) = \lim_$$

4 e dois qu(0,00).

ipement & asob itaibut 2. d>0, M3 d,0 sit. 6 ind gary. C.F. us icos in Mr-[d,s]: & sittesjid Donadaod .

> Mr-[d, D]:7 4 / pijestist

. shoerosturi mi esponasturi esub (=) ([. P.

Sunitors = 18 + Brokemem.

omorphomo (= IT+ sectorini.

Pp. RX 3 f: [a,b]-TR bijectist RUPD.

-am tigestist = f tectissimi f = teste stack mo
and son't single modernite. - stress in Line tem (. Lum

B.7 este stud ourchanse. arp=1401<4(p)=14([a,b])=[4(a),4(p)] 7 este bij. =1 7 este majectist =1 Jm7=M=) ([dia])#

=) [+(a), +(b)]=1P, 0%

=) & 4:[0/0]: & Pij. cm. 2.p.

3. Fix f,g:[a,b]→M, f,g cond. qu [a,b], doing.
qu (a,b). Strindex f(a)=f(b)=0, as that et
3 c = (a,b) as (f'(c)+f(d)-g'(c)=0.

Saurie:

R'(x)

Fie h: [a,b]-in h(x)=-2(x).e3(x)

Th. Rolle

Th. Rolle

3 c E (a,b) at h'(e) = 0.

= 68(x) (+,(x)++(x).8,(x)) +,(x)=+,(x).68(x)++(x).68(x),6,(x)=

=14,101+2(0)-3,(4)=0:

Th Lagrange: \$: [a,b] -> TR

. 4 cont ye [a,b] }=> 3 c E(a,b) at

. 4 doisye (a,b) 4'(c) = 4(b) - 4(a)

- 0

Th. Rolle (consecintà) 7: [a,b]—IR

• 4 cont rela,b]

• 4 dois rela,b) = 3 c = (a,b) où

• 4(a)=4(b) 2(c)=0.

4. 4:13-118

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Solving:

[i+x1x] up somasquab. AT sigh. M3 & sif

[1+x,x] ex tron & O

@ 7 doinge (36,72+1)

=) = C = (x = +1) = 2 (c) = 2(x+1) = 2 E (= (x = x+1) = x) = 1

=) \(\frac{1}{2} \left(\c^{\columbda} \right) = \frac{1}{2} \left(\columbda + 1) - \frac{1}{2} \columbda \right)

4, (x) = \frac{542}{1} \times xx = \frac{32+2}{2}.

 $C_{x}^{x}+2>C_{x}^{x}=2$ $C_{x}^{x}+2>C_{x}^{x}+3>C_{x}^{x}=2$ $C_{x}^{x}+3>C_{x}^{x}=2$

= (5)

コオ(メナリーオ(メ)をよっ

コ ヤメナリーナンメニュナモモア.

8(x)=1(3+3-12+3-12+3.

8/(x)= 1 = x(x+1)- 1 = x(x+1)- 1 = 0

