

Le 30/10/2023

Série 14 - les Isometries

Lunaa 1

$$\theta = 2(\overline{S}_{1}, \overline{S}_{2})(2\pi)$$

 $f(A) = S(OB)OS(S_{1})(A)((Z_{1}) = med (A))$

$$\Rightarrow \theta = (\vec{\lambda}\vec{A},\vec{\delta})(2\pi) = -\frac{\pi}{2}(2\pi)$$

2)) z: isometrie seus points fixes

Sym glin cult



a) Qua.
$$\overrightarrow{OI} = \overrightarrow{IA}$$

 $\overrightarrow{q(0)}\overrightarrow{q(1)} = \overrightarrow{q(1)}\overrightarrow{q(A)}$

$$\Rightarrow \overrightarrow{CJ} = \overrightarrow{Jg(A)} = \overrightarrow{Jo}$$

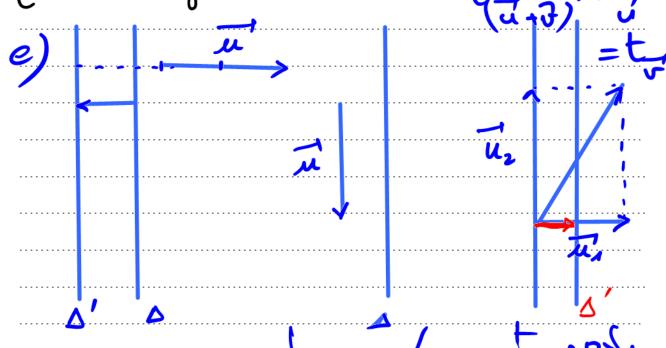
$$=) g(A) = 0 \qquad D \qquad D$$







non alignes : considert en tros posits



 $= S_{\lambda} \circ S_$

 $\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{$





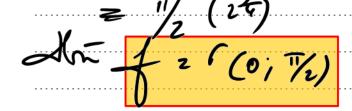
Colo

(=) 0-6 (M) = 17 (M) = 17 d (S) = (0I)



Enervice 2

1)
a) $(oc) \cap (oJ) = \{o\}$ $\begin{cases} (oc) \circ (oJ) (B) = \int (oc) (C) \\ = C \end{cases}$ $= \begin{cases} f \text{ so le notation'} \\ A \end{cases} \text{ Cubic et } A \text{ as le} \end{cases}$ = (oB, oE) (211)



$$(OJ) \cap (DC) = \emptyset$$

 $S_{OJ} \circ S_{OC}(DC) = S_{OJ}(C) =$

Maths In proc ch(o) = E Taki Academy www.takiacademy.com
OCD 87 un triangle restangle etisocèle en O SEAB // M. M. men E
=) EAB 11 TH. 11 en E
-) EE mil [AB] O (TAB]
=1 E =0 on E = 0' Exporer, pue h(0)=0!
_ '
S(BD) (C1/72) (0) = 0
=> (ci 1/2) (o) = S(RD) (o) =0
= 0 % uspt invariant par (ci]
=) ((0)-6)
b/ Par Numptin raciant part =
\Rightarrow $nC=nA$ et $BN=DM$
=) ne vid [AC] n mied [8D]
$\rightarrow \bigcap e (BD) \cap (AC)$
=) M=0 abourde h(0)= = +0.
I huadent par de points invariants.
The Kypis une translation on une medice ylingto. 4(0)=B) co+AB -Page-1
$\frac{1}{3}\left(\frac{1}{2}\right) = \frac{1}{3}\left(\frac{1}{2}\right) = \frac{1}{3}$



= h n/n par me translation I h gr me syrietie gliss rule

$$(bc) (bc) (0)$$

$$= S$$

$$= S$$

$$= S$$

$$= S$$
 (oI) S (BC) S (OI) $= S$

$$\frac{S_{(BC)}}{S_{(BC)}} = \frac{S_{(BC)}}{S_{(BC)}} = \frac{S_$$





*	$\frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 =$	
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	





