## Cl. Fr. F3\_Operatio en vectori (continuare)

- 1. Compunerca rectorilos prim motodo amalítico. Componentela rectorilos
- 2. Scaderco/Differenta vectoriliz
- 3. Inmultirea muni vector à cu un scalar (r)

1. Componentele rectoriles in raport en un sistem de oxe Oxye. si Ademarea / Suma vectoriller pe componente.

Orice vector à peate si descempres prin projectie pe erice sisteme de one oxy à agreciles mui SR-sisteme de referrits, ostfel.

$$\vec{a} = |\vec{a}_x + \vec{a}_y| = \alpha_x \cdot \vec{c} + \alpha_y \cdot \vec{c}$$

$$\vec{a}_x = \alpha_x \cdot \vec{c}$$

$$\vec{a}_y = \alpha_y \cdot \vec{c}$$

a2 = ax +ax -> a=Vax+ax San doco tiveen cont side Oz in 3D even;

$$\int \frac{d}{dt} = \frac{dt}{dt} + \frac{dt}{dt} + \frac{dt}{dt} + \frac{dt}{dt}$$

$$\int \frac{d^2}{dx} = \frac{a_x^2 + a_y^2 + a_z^2 + a_z^2}{4a_x^2 + a_y^2 + a_y^2 + a_y^2 + a_y^2}$$

$$\int \frac{dx}{dx} = \frac{a_x^2}{2a_x^2} + \frac{a_z^2}{2a_x^2} + \frac{$$

Zay=aesox.

) it-versond axei Ox, 2 7- versoul axi 07. ) [ = [] = [ ] = 1. ? ILJIK

Concluère. Forma de reprépartere a une vector, à functie de componantele Sale ax, ay, az si versori directilor oxyz (2,7, K) se numeste.

Computered/Suna vectorles prin metoda auditico va fi

= 5x.7 + 59 5 + 52. R

unde Sx = (ax+bx), Sy = (ay+by) iar Sz = (az+bz)

Modelal sau mariera vectoralei suno [31 se obtine prin suma patrotete Componenteloz sole,

