

Review

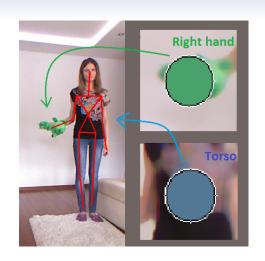




Class conversion

- convertir(string pjoint1, string pjoint2, int n);
- IlenarArregloAngulos();
- getArregloAngulos();





 $\vec{A} \cdot \vec{B} = A B \cos \theta$

Class compara

- sacapromedios(double arreglo);
- arreglo_promedio(double arreglo_prom1, double arreglo_prom2);

arreglo_promedio

sacapromedios

Array recibido:

Array recibido:

[prom1(x1, x2, ..., x10)]

[n, k, ..., l, m]

[prom2(x1, x2, ..., x10)]

Array retornado:

 $[\mathit{prom}(x1, x2, ..., x10)]$

Array retornado:

[1, 0, 0, 1, 0, 1, 1, 0, 1, 1]

Class compara

- comparar_angulos(int promedio);
- comparar_velocidad(int pSizeMov1, int pSizeMov2);





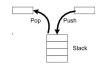


Problems of the previous presentation

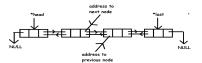
- Kinect-data
- Speed analysis

Data structures to implement

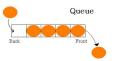
Stack



Double linked list



Queue



Complexity Analysis

Data Estructure	Storage	Using the methods
Stack Linked list	O(1) O(1)	O(n) O(n)
Queue	O(1)	O(n)

Complexity analysis in our comparison algorithm

$$A=[1,2,...,n] \\ 1 \\ 1+n \\ 1 \\ i=1; i <=n; i++) \\ 3n \\ linea i = A[i]; \\ 4n+2$$

Complexity analysis in our comparison algorithm

353

Complexity analysis in our comparison algorithm

53 Total 406 Orden de Complejidad es de O(n)