##### Cracker OpenMP y MPI

Componentes:

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Características de las ejecuciones

* Tamaño de la clave
  + Min: 2
  + Max: 6
* Alfabeto: abcdefghijklmnopqrstu

##### Resultados

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Secuencial | | | | x1 | |
| sergio | | | | 88,063 | |
| fonki | | | | 2,468 | |
|  | | | |  | |
| OpenMP | | x1 | x2 | | x3 | | x4 | |
| sergio | | 87,264 | 49,949 | | 44,226 | | 40,728 | |
| fonki | | 2,506 | 1,593 | | 1,383 | | 1,184 | |  | |
|  |
| MPI | | | | x2 | | x3 | | x8 | |
| sergio | | | | 60,668 | | 51,110 | | 34,118 | |
| fonki | | | | 1,813 | | 1,481 | | 1,020 | |

##### Estudio del Speedup, Eficiencia y Paralecibilidad

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Clave | Tipo | Número | Speedup | Eficiencia | Paralecibilidad |
| sergio | Secuencial | 1 |  |  |  |
| fonki | Secuencial | 1 |  |  |  |
| sergio | OpenMP | 1 | 1,00915227 | 1,00915227 |  |
| sergio | OpenMP | 2 | 1,76305832 | 0,88152916 | 1,747068677 |
| sergio | OpenMP | 3 | 1,99121928 | 0,66373976 | 1,973160382 |
| sergio | OpenMP | 4 | 2,16222255 | 0,54055564 | 2,142612781 |
| fonki | OpenMP | 1 | 0,98510044 | 0,98510044 |  |
| fonki | OpenMP | 2 | 1,54948734 | 0,77474367 | 1,572923206 |
| fonki | OpenMP | 3 | 1,78519769 | 0,5950659 | 1,81219865 |
| fonki | OpenMP | 4 | 2,08415424 | 0,52103856 | 2,115676893 |
| sergio | MPI | 2 | 1,45154803 | 0,72577402 |  |
| sergio | MPI | 3 | 1,72299796 | 0,57433265 | 1,187007194 |
| sergio | MPI | 4 | 2,5811302 | 0,64528255 | 1,778191375 |
| fonki | MPI | 2 | 1,3614635 | 0,68073175 |  |
| fonki | MPI | 3 | 1,66704187 | 0,55568062 | 1,224 |
| fonki | MPI | 4 | 2,42072573 | 0,60518143 | 1,778 |

##### Ejecuciones

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Clave | Tipo | Número | 1 | 2 | 3 | Media | Máximo | Mínimo | Mediana | Desviación típica |
| sergio | Secuencial | 1 | 88,955 | 87,461 | 87,773 | 88,063 | 88,955 | 87,461 | 87,773 | 0,78808883 |
| fonki | Secuencial | 1 | 2,439 | 2,492 | 2,474 | 2,468 | 2,492 | 2,439 | 2,474 | 0,02695057 |
| sergio | OpenMP | 1 | 87,474 | 88,476 | 85,843 | 87,264 | 88,476 | 85,843 | 87,474 | 1,32896288 |
| sergio | OpenMP | 2 | 50,344 | 49,427 | 50,076 | 49,949 | 50,344 | 49,427 | 50,076 | 0,47150716 |
| sergio | OpenMP | 3 | 45,248 | 44,341 | 43,088 | 44,226 | 45,248 | 43,088 | 44,341 | 1,08460884 |
| sergio | OpenMP | 4 | 40,833 | 40,706 | 40,645 | 40,728 | 40,833 | 40,645 | 40,706 | 0,09591142 |
| fonki | OpenMP | 1 | 2,514 | 2,457 | 2,546 | 2,506 | 2,546 | 2,457 | 2,514 | 0,04508141 |
| fonki | OpenMP | 2 | 1,451 | 1,618 | 1,710 | 1,593 | 1,710 | 1,451 | 1,618 | 0,13129737 |
| fonki | OpenMP | 3 | 1,285 | 1,428 | 1,435 | 1,383 | 1,435 | 1,285 | 1,428 | 0,0846542 |
| fonki | OpenMP | 4 | 1,189 | 1,182 | 1,182 | 1,184 | 1,189 | 1,182 | 1,182 | 0,00404145 |
| sergio | MPI | 2 | 58,696 | 60,133 | 63,176 | 60,668 | 63,176 | 58,696 | 60,133 | 2,28747379 |
| sergio | MPI | 3 | 51,984 | 50,908 | 50,439 | 51,110 | 51,984 | 50,439 | 50,908 | 0,79212394 |
| sergio | MPI | 4 | 34,554 | 33,761 | 34,039 | 34,118 | 34,554 | 33,761 | 34,039 | 0,40235929 |
| fonki | MPI | 2 | 1,852 | 1,908 | 1,679 | 1,813 | 1,908 | 1,679 | 1,852 | 0,11937755 |
| fonki | MPI | 3 | 1,466 | 1,483 | 1,493 | 1,481 | 1,493 | 1,466 | 1,483 | 0,0136504 |
| fonki | MPI | 4 | 1,026 | 1,007 | 1,026 | 1,020 | 1,026 | 1,007 | 1,026 | 0,01096966 |