

2M

Message-passing systems versus shared memory systems  
Synchronous versus asynchronous executions

6M

Flynns taxonomy

10M

Design challenges  
Algorithmic challenges

Youtube:

Cristian's Algorithm Physical clock synchronization in Distributed Systems  
<https://www.youtube.com/watch?v=9RUmRzAI3jA>

Berkeley's Algorithm Physical clock synchronization  
<https://www.youtube.com/watch?v=8NW7-6Ea59Y>

Network Time Protocol Physical Clock Synchronization Distributed Systems  
<https://www.youtube.com/watch?v=af9hZMiEe5U>

Lamport logical clock | Distributed systems  
<https://www.youtube.com/watch?v=i1Z66AxbJrw&t=912s>

Vector clock | Distributed Operating systems  
<https://www.youtube.com/watch?v=Ne4gdadd7gw>

Causal ordering of messages | BSS Algorithm | Distributed OS  
<https://www.youtube.com/watch?v=XRkv77EhKUo>