(onflitt free Dedundant data types (RDT

* Simplify distributed data storage System and much-user applications.

ROT'S is concurrency.

A 70 activene Concurrency there are broadly two way.

1. Strong Consistent replication
2. Optimistic replication

A Strong Consistent Deplication

Here replicas Coordinates with Each other to decide what will be the order of changes or how to apply final Change.

This approch encelles strong Consistences une suitable for achieving senalization and linearization

But Discoventages es trat it is time consuming and if any open deines, repicas are disconnected will result in ai replicas to Stop making sinu au need to be connected.

A Opimustic Replication

This approun let lisers modify date or replica even it it is omitine/ disconnected.

and ovcilability.

A It also leads to Conflicts when multiple clients modify replices concurring This conficts needs to resolve when I replices communicate with Each Other.

KRDT's au used with Optimistic Replication.
Hure CRDT's take core of Conflicts
resolution. Here data is muged in consist
and state.

* CROT Supports decentralization Operations

