## DTLTI Systems, Transfer Functions, and the Z-transform

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## **DTLTI Systems**

 ${\bf Explanation\ of\ Discrete-Time\ Linear\ Time-Invariant\ Systems}.$ 

## Impulse and Step Response

Impulse and Step Response, the Kronecker delta function, the Heaviside step function, and their properties.

## The Z-transform

Derivation and properties of the Z transform.