1.5 Z Transform (ZT)

- Extension of DTFT.

- Transform exists for a larger class of signals than does DTFT.

- Provides an important tool for characterizing behavior of LTI systems with rational transfer functions.

OUTLINE

1. Derivation of the Z Transform

2. Convergence of the Z Transform

3. Z Transform Properties and Pairs

4. Z Transform and Linear Constant Coefficient Different Equations

5. Inverse Z Transform