* **시스템의 출력 (영입력 응답 + 영상태 응답)**
* **z-Transform**
* **ROC**



Causal: All z-plane except



Non-causal: All z-plane except



Causal & Non-causal: All z-plane except

* **Properties of z-T**

|  |  |  |
| --- | --- | --- |
|  | = |  |
|  | = |  |
|  | = |  |
|  | = |  |
|  | = |  |

* **z-T Table**

|  |  |  |
| --- | --- | --- |
|  | = |  |
|  | = |  |
|  | = |  |
|  | = |  |

* **Transfer Function**
* **z-T Zero(영점) Pole(극점)**

Zero: 을 만족하는 z값들

Pole: 를 만족하는 z값들

* **단방향 Properties of z-T**
* **연속시간 Fourier Series**
* **Power Spectrum Density (PSD)**
* **a**
* **a**