\* Damping sube (change of Scale property)

If 
$$2T[Un] = U(z)$$
 then

I)  $2T[K^nun] = U(2/K)$ 

II)  $2T[K^nun] = U(2/K)$ 
 $2T[K^nun] = U(2/K)$ 
 $2T[K^nun] = \sum_{n=0}^{\infty} u_n z^n$ 
 $2T[K^nun] = \sum_{n=0}^{\infty} u_n (z/K)^n$ 
 $= u(2/K)[comparing 0]$ 
 $2T[K^nun] = u(2/K)$ 
 $2T[K^nun] = u(2/K)$ 
 $2T[K^nun] = u(2/K)$ 

Application of Damping stude

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