1 Peroperties of Materix Exponential

$$0 e^{At} = \sum_{K=0}^{\infty} \frac{A^K t^K}{K!} \left\{ defi-dien \right\}$$

G
$$e^{(A+B)t} = e^{At}e^{Bt}$$
 (If $AB=BA$)
$$e^{(A+D)t} = e^{At}e^{Bt}$$
 (If $AB=BA$)