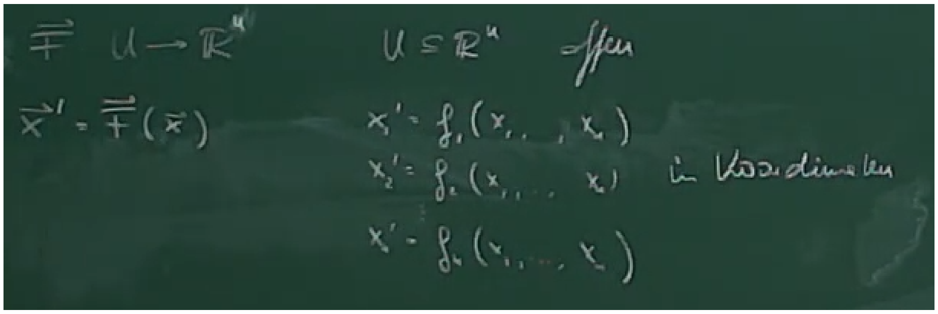
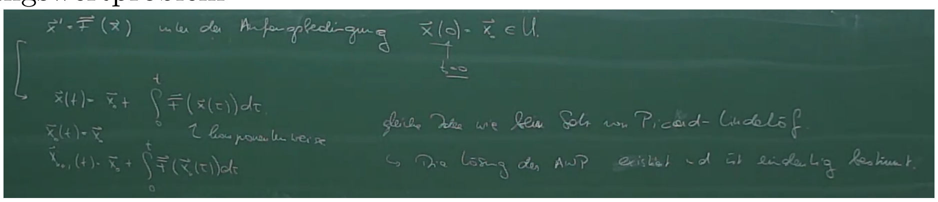
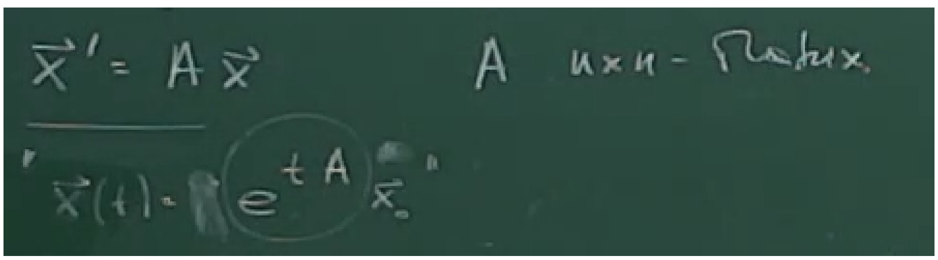
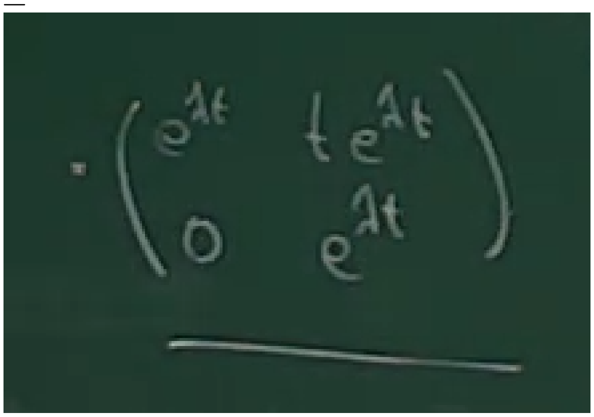
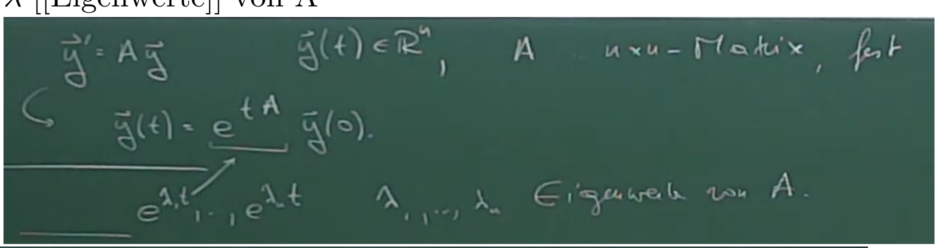
DGL System

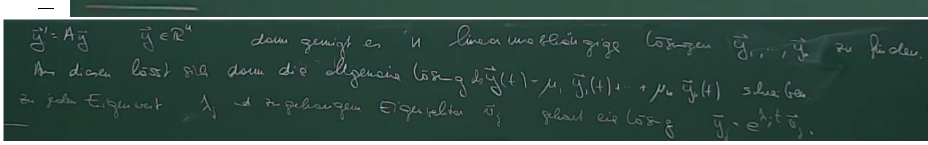
- 

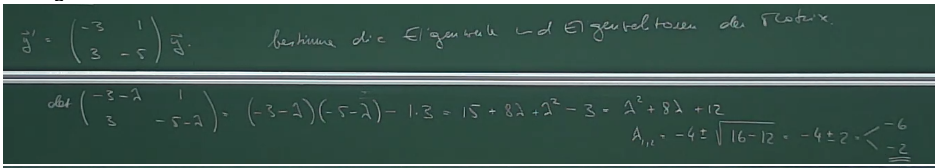
- Anfangswertproblem
  - 

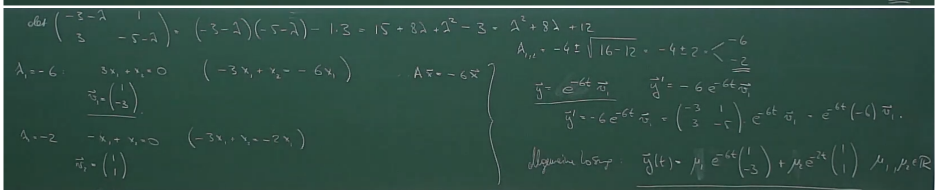
Lineares System

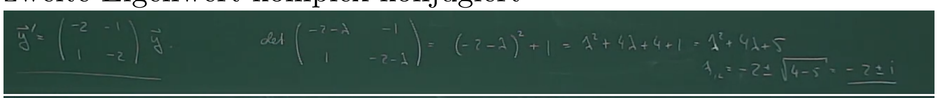
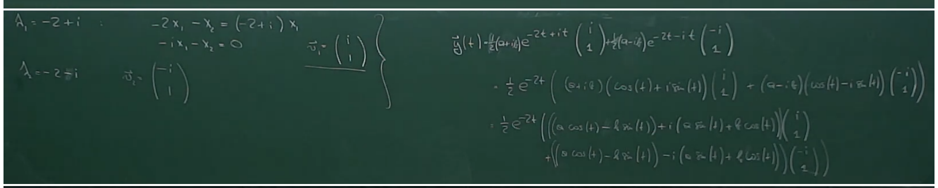
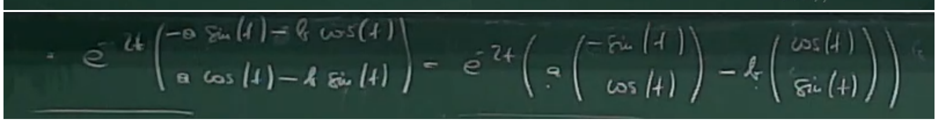
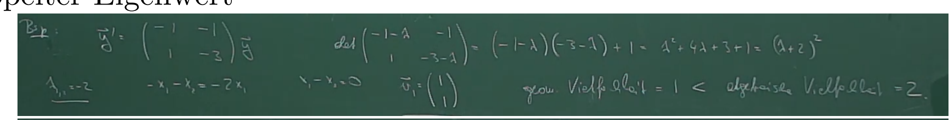
- 

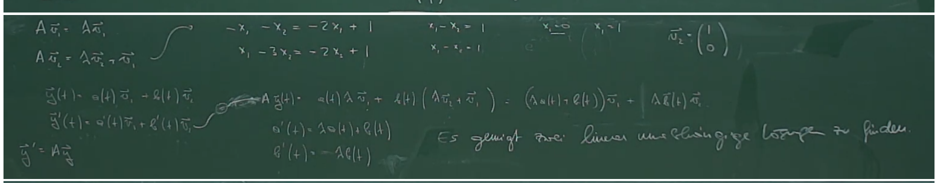
- $e^{t*A} =$
  - 
  - λ [[Eigenwerte]] von A
  - 

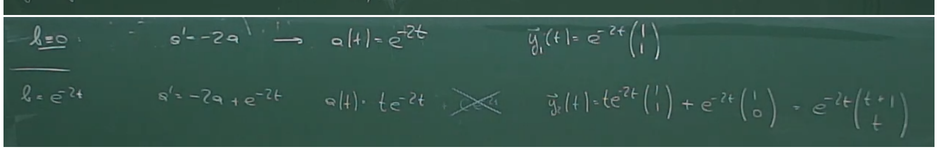
- 

- Beispiele:
  - reelle Eigenwerte
    * 

    * 

    * jede Anfangsbedingung lösbar durch Wahl von μ_1, μ_2
  - komplexe Eigenwerte
    * zweite Eigenwert komplex konjugiert
    * 
    * 
    * 
  - doppelter Eigenwert
    * 

    * 

    * 

Inhomogenes lineares System

[[Differentialgleichungen]]