Master Plan

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Classification of the critical point $(0,0)$ of $x' = Ax, \mathbf{A} \neq 0$.		
Types	Type of Critical Point	Stability
1. Real unequal eigenvalues of same sign • $\lambda_1 > \lambda_2 > 0$ • $\lambda_1 < \lambda_2 < 0$	Improper node/node Improper node/node	Unstable Asym. stable
2. Real unequal eigenvalues of opposite sign • $\lambda_2 < 0 > \lambda_1$	Saddle point	Unstable
3. Equal eigenvalues Subtype 1: Two Independent vectors • $\lambda_1 = \lambda_2 > 0$ • $\lambda_1 = \lambda_2 < 0$	Proper node Proper node	Unstable Asym. stable

1 Master Plan

This plan outlines and itemizes tasks and projects which need to be completed for me to get my degree.

- π^+ neutron analysis note
- K^{\pm} analysis
- K^{\pm} analysis note
- ullet dissertation proposal
- SIDIS Cross Section
- Inclusive Note (to be used as thesis chapter)
- EVA Fits to SIDIS
- Thesis Writing
- \bullet Defend