A picture containing fireworks, dark, water, flying

Description automatically generated

College of Engineering

School of Aeronautics and Astronautics

AAE 564

System Analysis and Synthesis

Homework 2

State Space Representation, Linearization, and Transfer Functions

*Author:*

Tomoki Koike

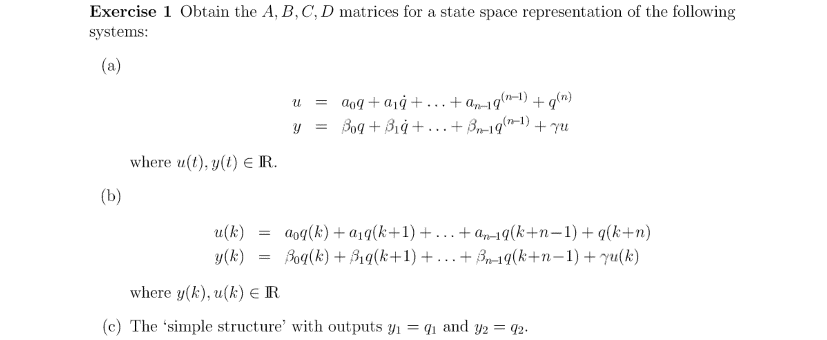
*Supervisor:*

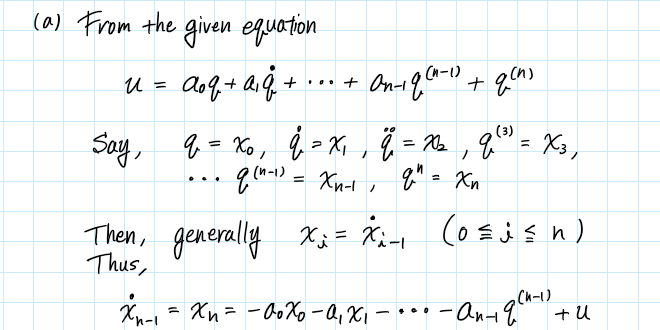
Martin Corless

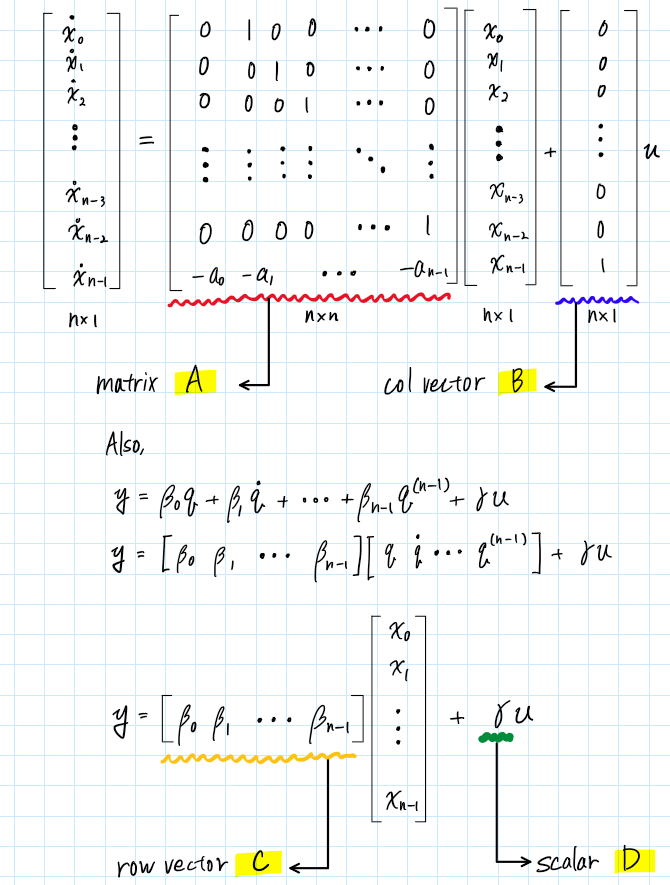
September 11th, 2020 Friday

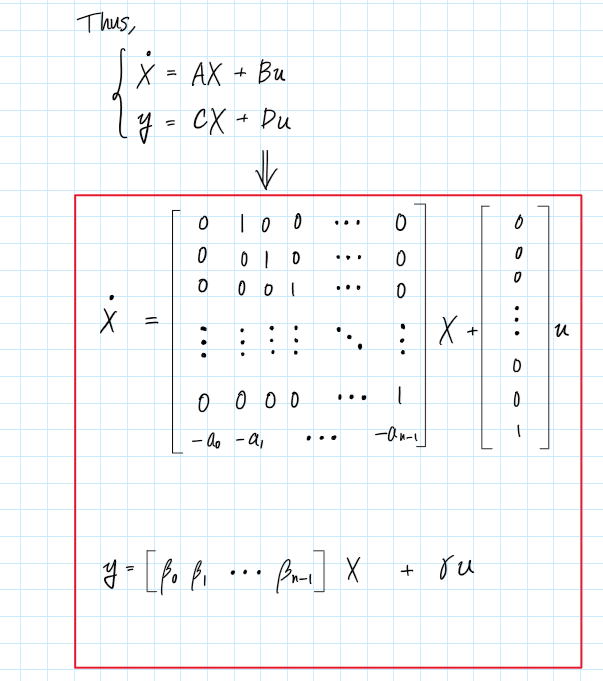
Purdue University

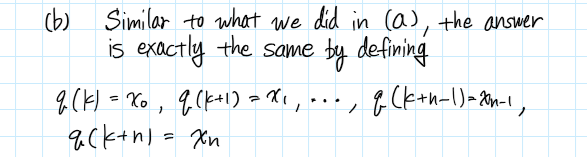
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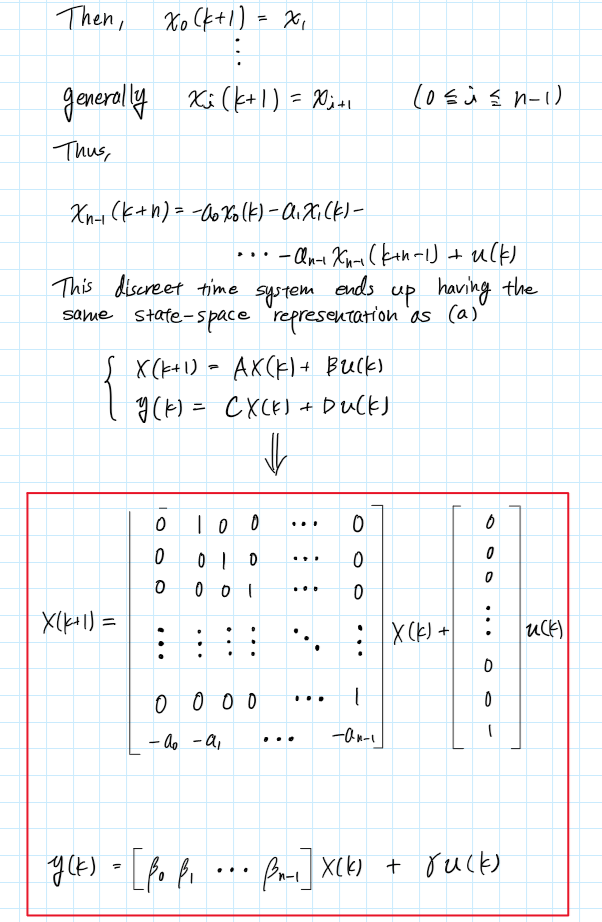


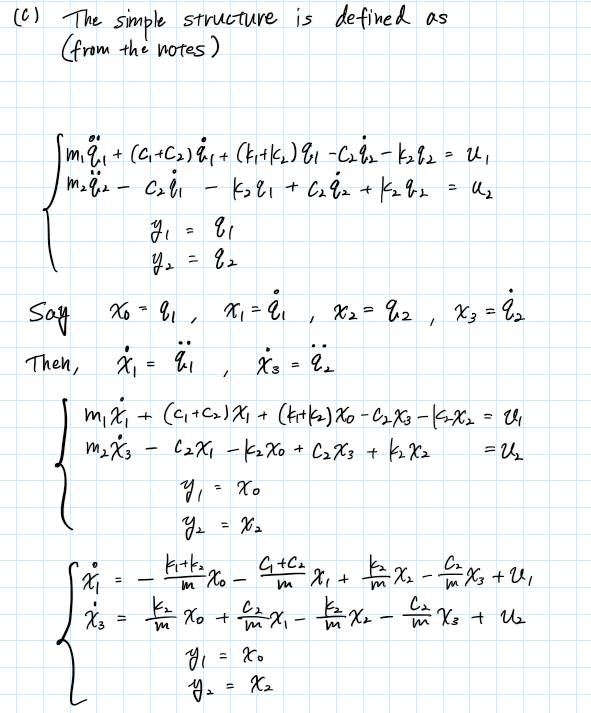


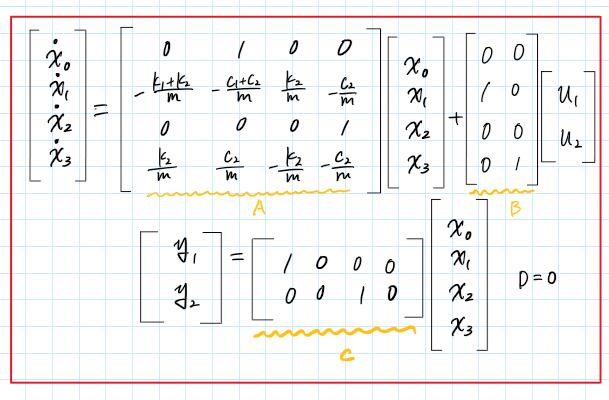


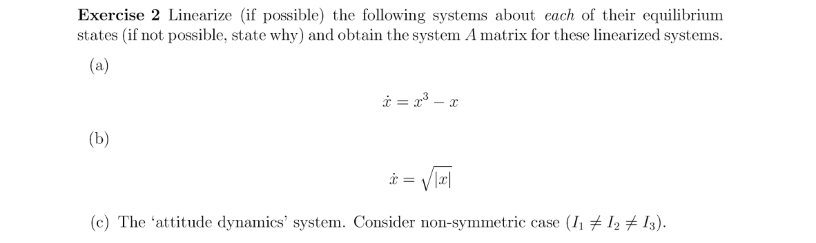


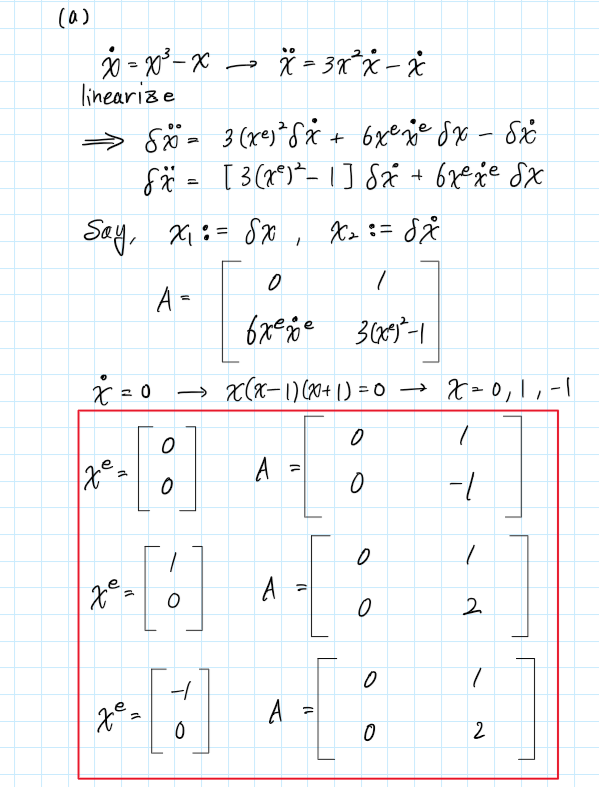


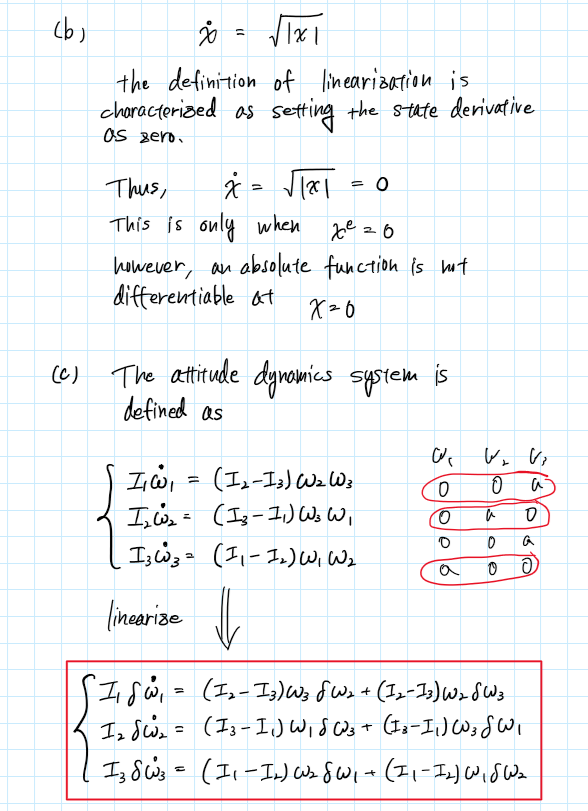


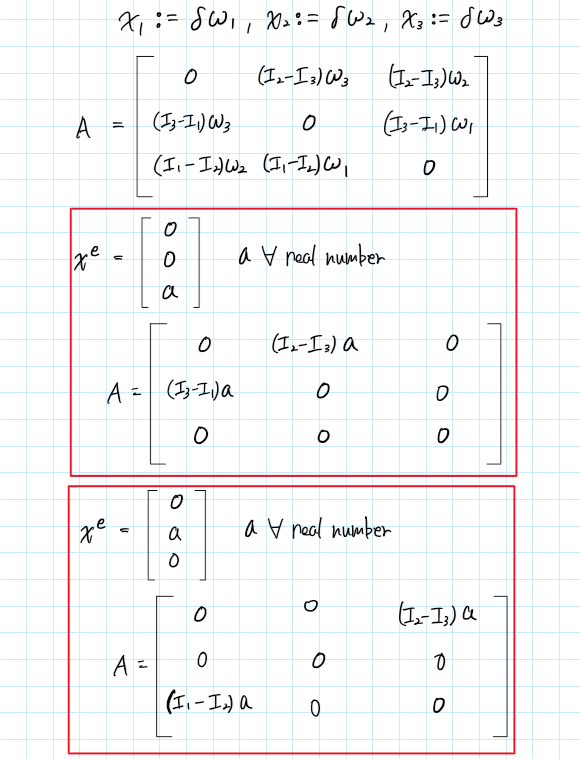


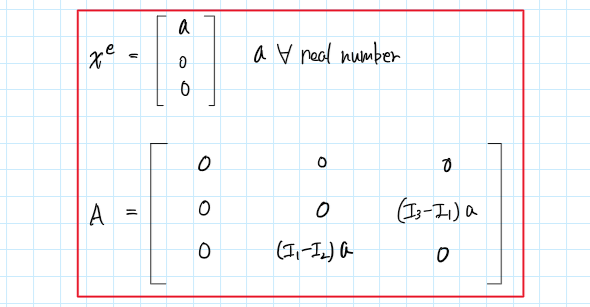


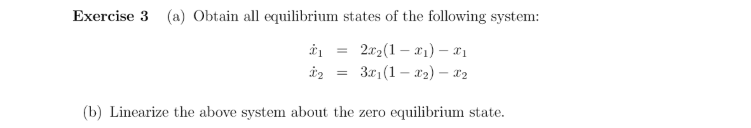


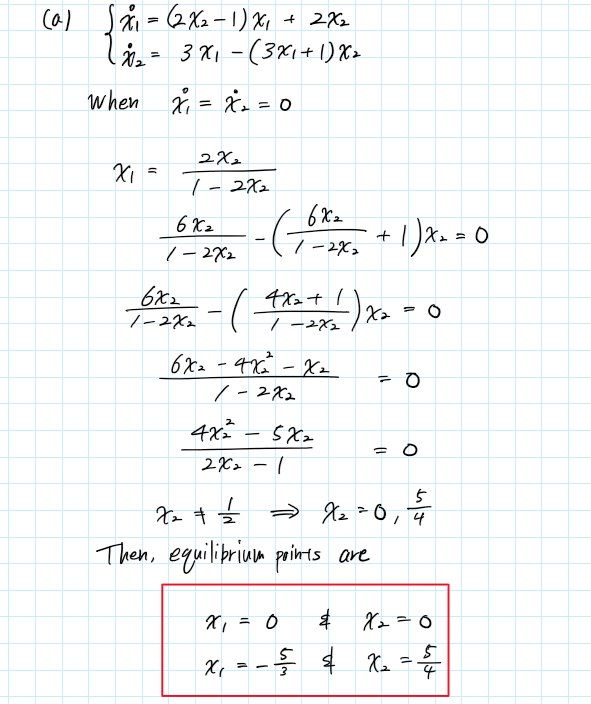


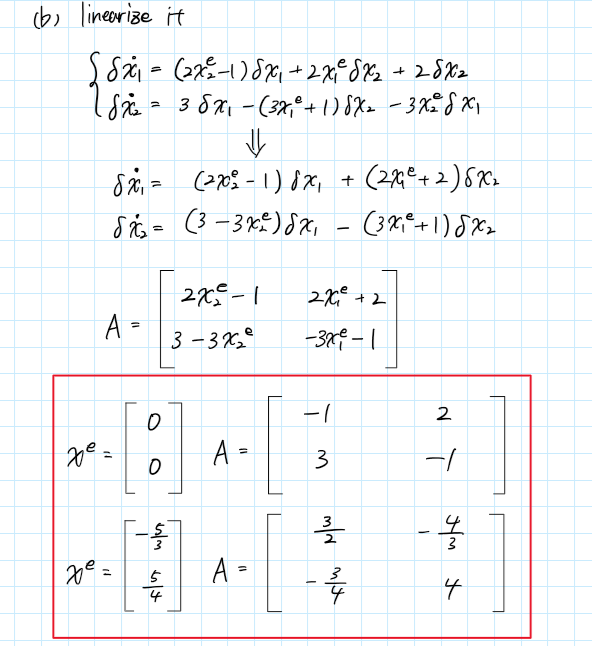


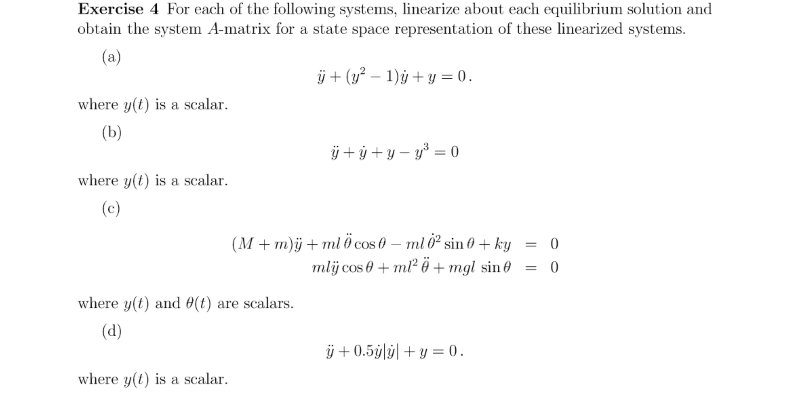


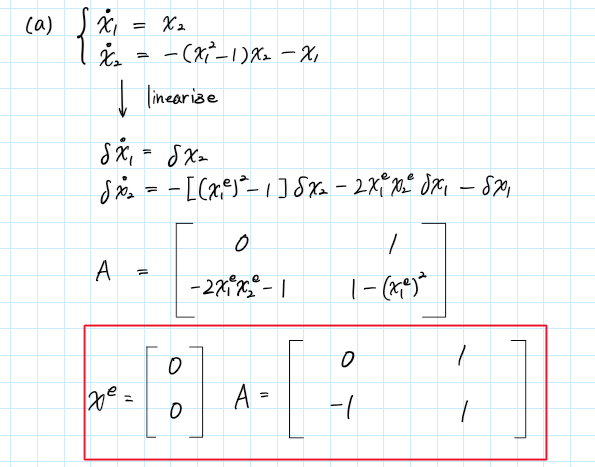


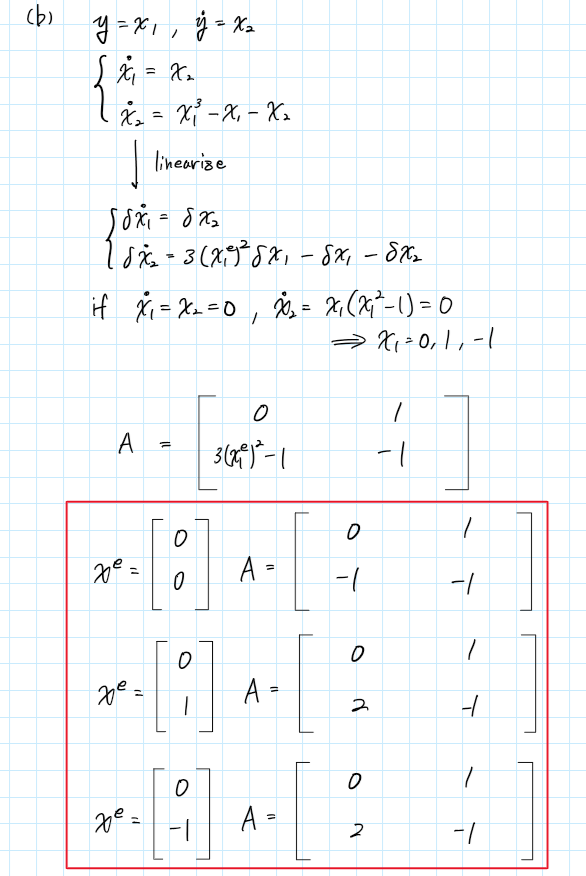


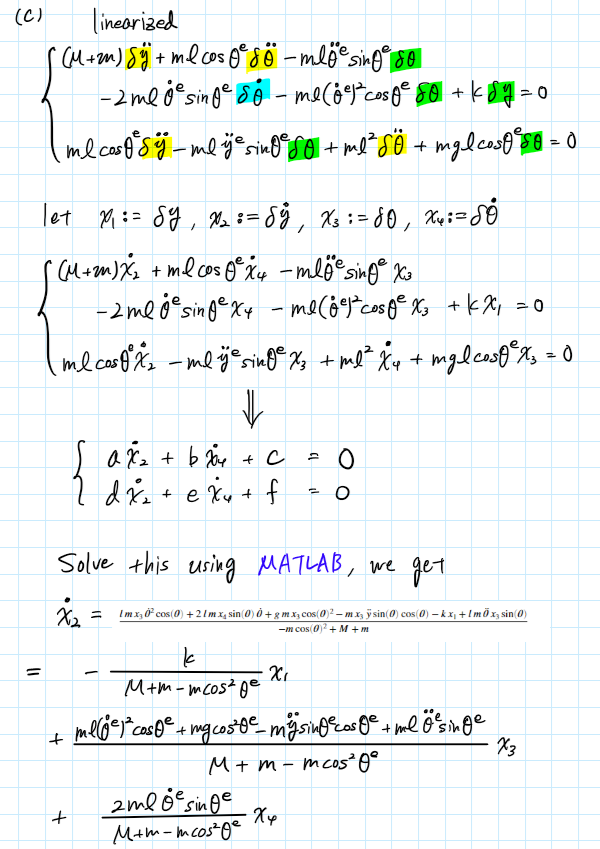


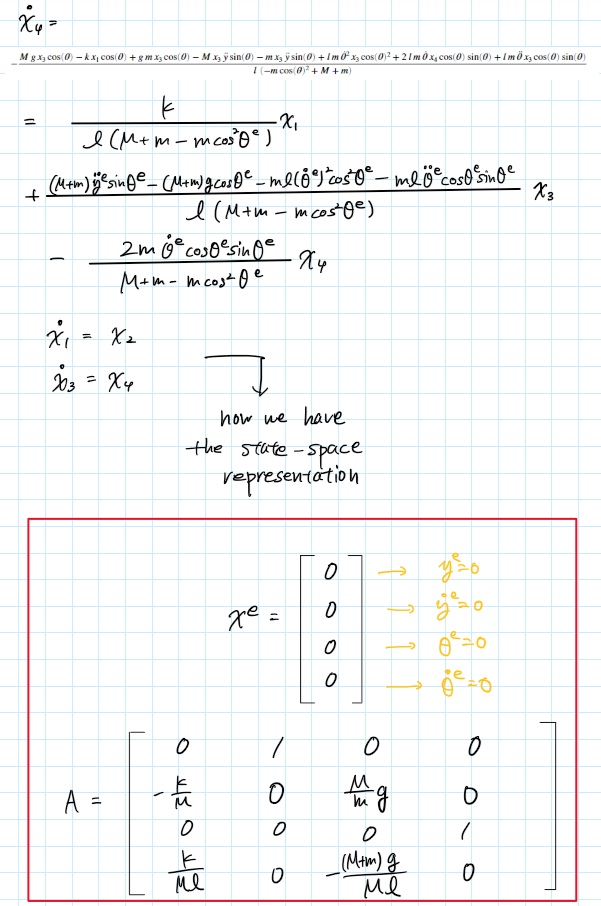


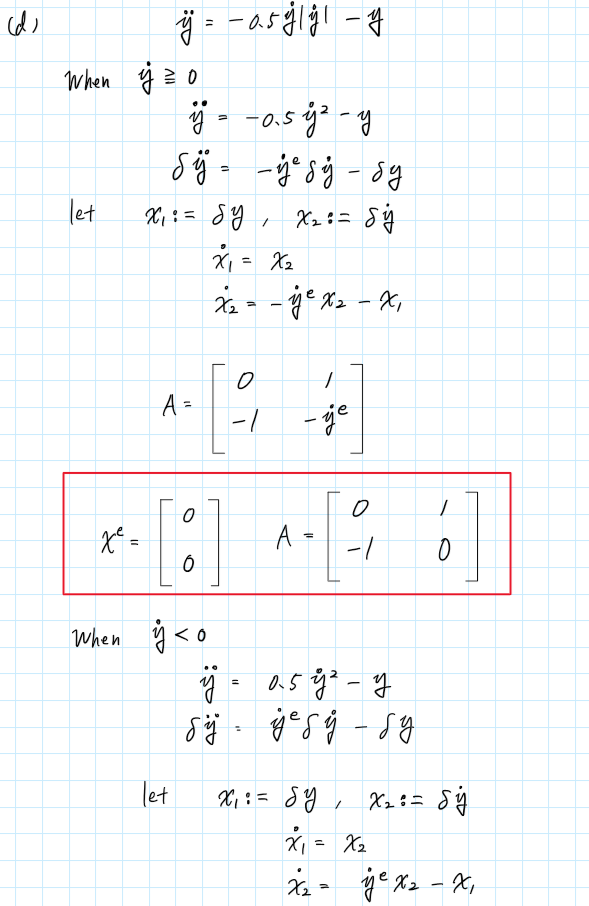


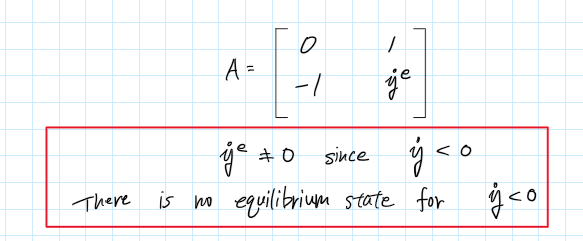


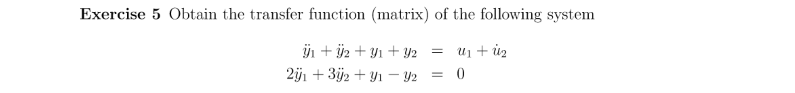


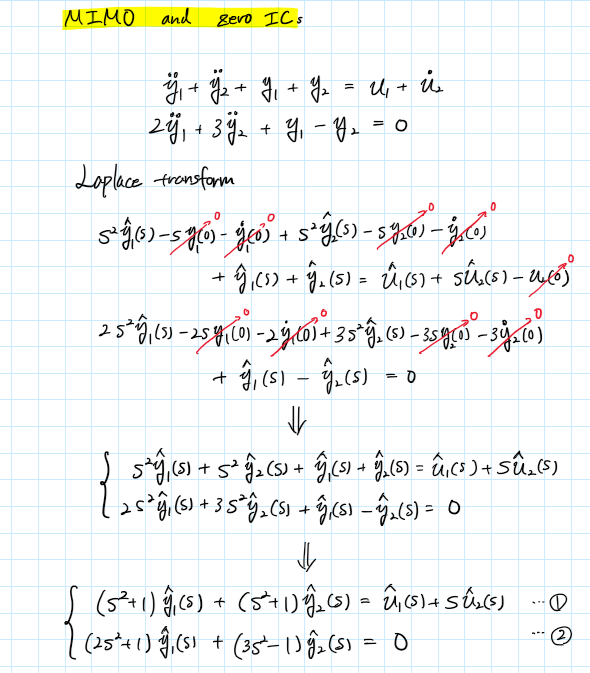


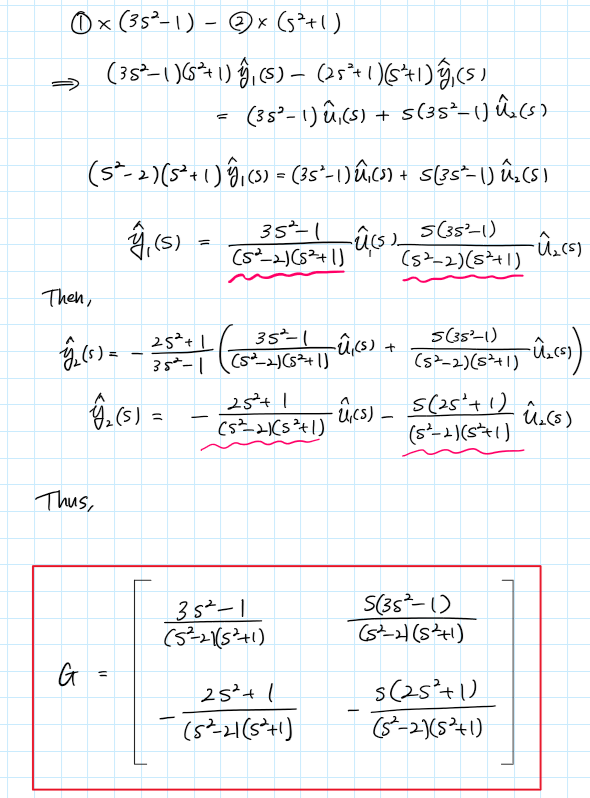


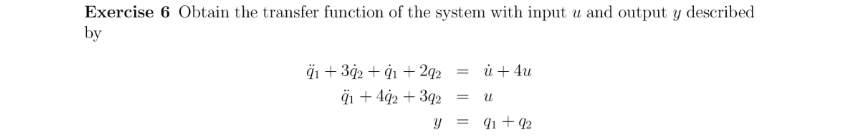


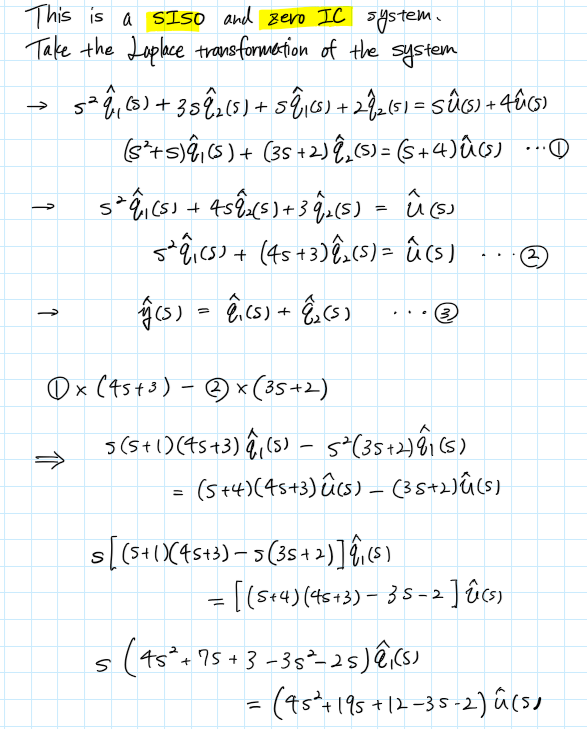


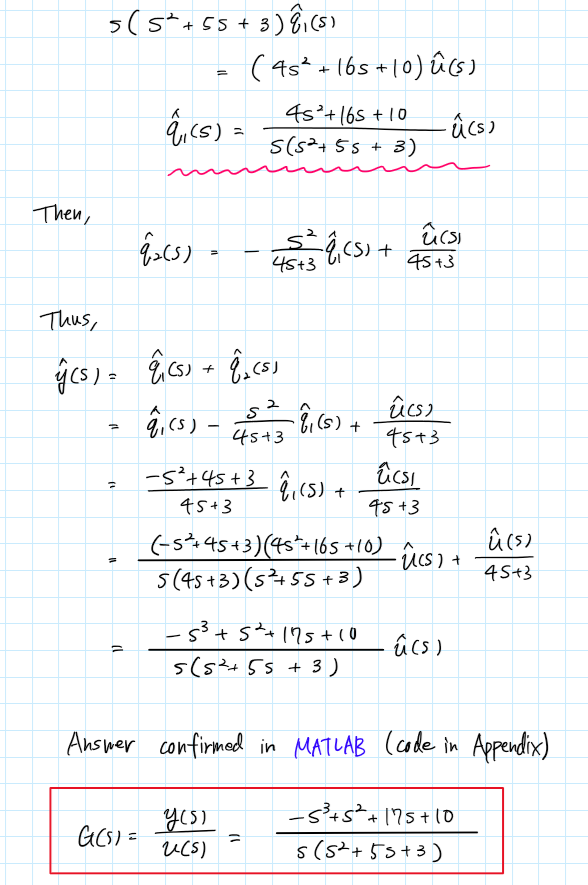


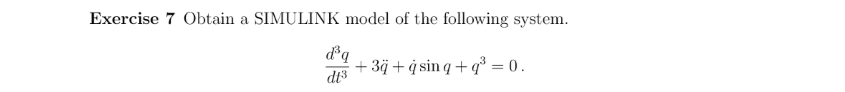


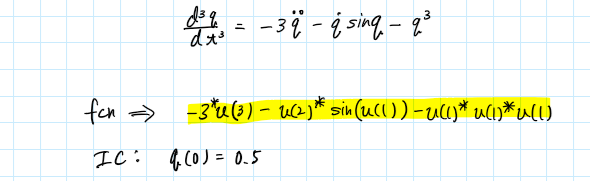












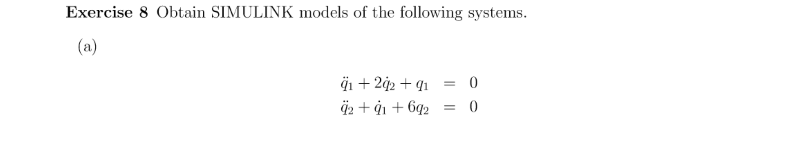
A close up of a logo

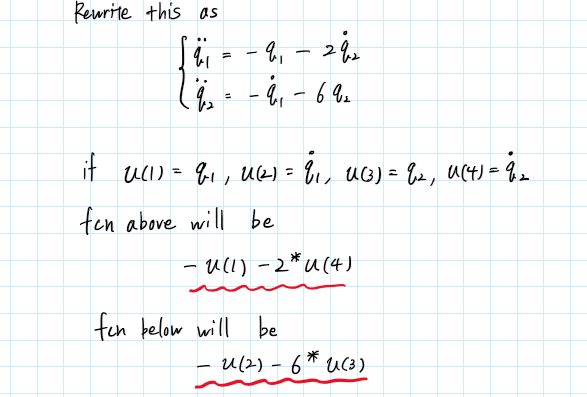
Description automatically generated

Plot with the IC of q(0) = 0.5

A picture containing water, table, sitting, lake

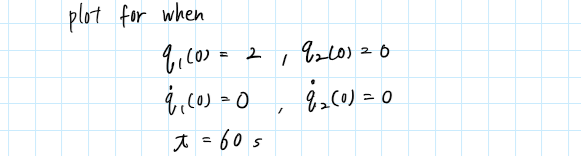
Description automatically generated





A close up of a clock

Description automatically generated



Output from Scope 1

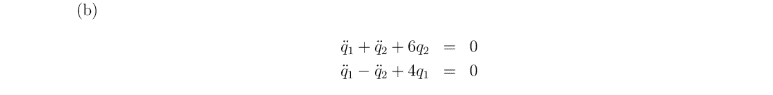
A picture containing light, sitting, dark, lit

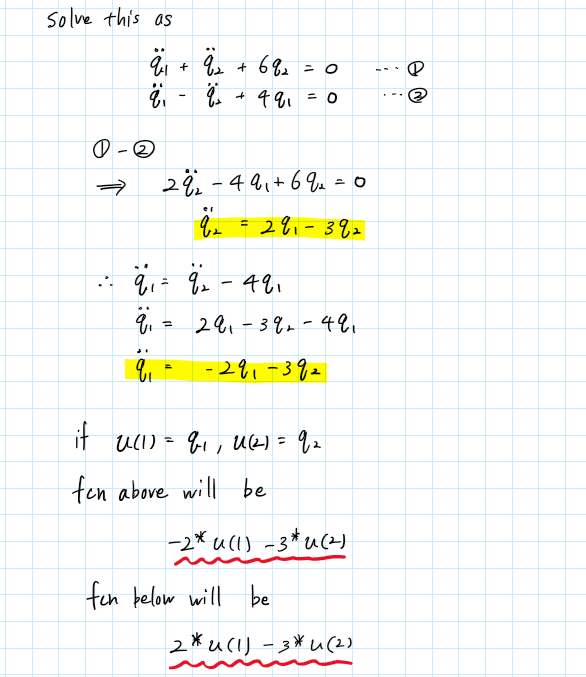
Description automatically generated

Output from Scope 2

A picture containing light, sitting, lit, dark

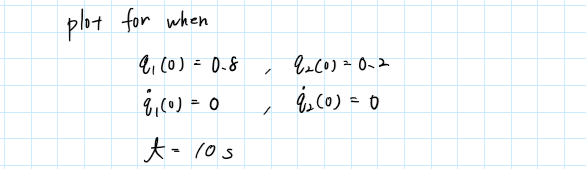
Description automatically generated





A close up of a clock

Description automatically generated



Output from Scope 1

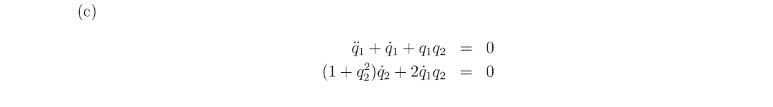
A picture containing sitting, photo, dark, room

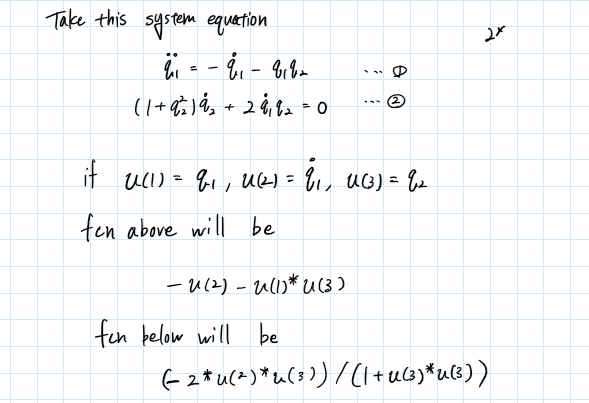
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Output from Scope 2

A picture containing sitting, looking, room, dark

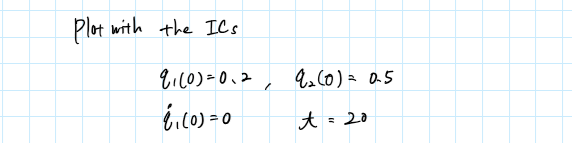
Description automatically generated





A picture containing screenshot, sitting, light, stop

Description automatically generated



Output from Scope 1

A picture containing sitting, room, table

Description automatically generated

Output from Scope 2

A picture containing sitting, room, dark, table

Description automatically generated