

# Hamiltonian, Lagrangian things

Collections of scripts, custom programming containers elucidating the algebra and the physics of myriad of solved dynamical system.

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  - [Graph Lagrangian for CO2 and Benzene to compute vibrational spectra](#)
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# ?synth

Programming container called `□synth` allows the programmers to design and solve sophisticated Lagrangian and Hamiltonian dynamical systems.

□synth

# ?synth: An Introduction

[https://www.wolframcloud.com/obj/ccn2/Published/Hamiltonian\\_things\\_par1.nb](https://www.wolframcloud.com/obj/ccn2/Published/Hamiltonian_things_par1.nb)

□synth

# Graph Lagrangian for CO<sub>2</sub> and Benzene to compute vibrational spectra

[https://www.wolframcloud.com/obj/ccn2/Published/graph\\_lagrangian.nb](https://www.wolframcloud.com/obj/ccn2/Published/graph_lagrangian.nb)

□synth

# Legendre things

[https://www.wolframcloud.com/obj/ccn2/Published/Legendre\\_things.nb](https://www.wolframcloud.com/obj/ccn2/Published/Legendre_things.nb)