

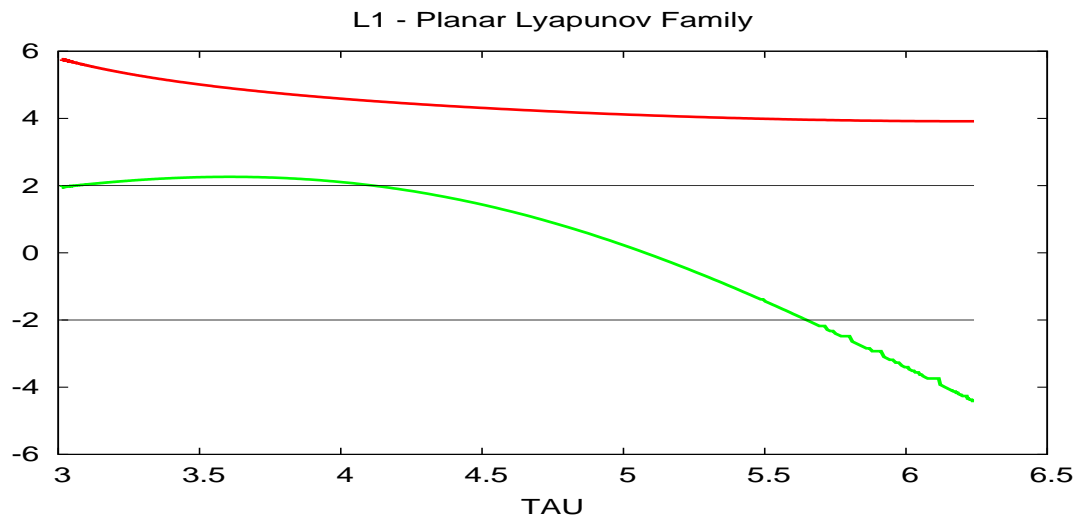
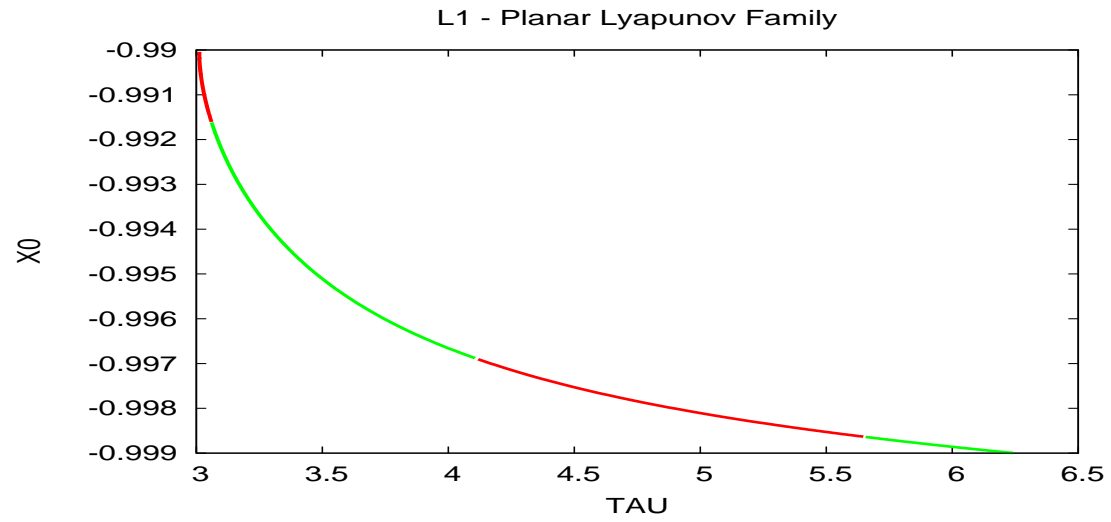
*Periodic Motion Around the  
Collinear Equilibrium Points for the  
Restricted Three Body Problem*

Working Seminar in Celestial Mechanics

*by Ariadna Farrés*

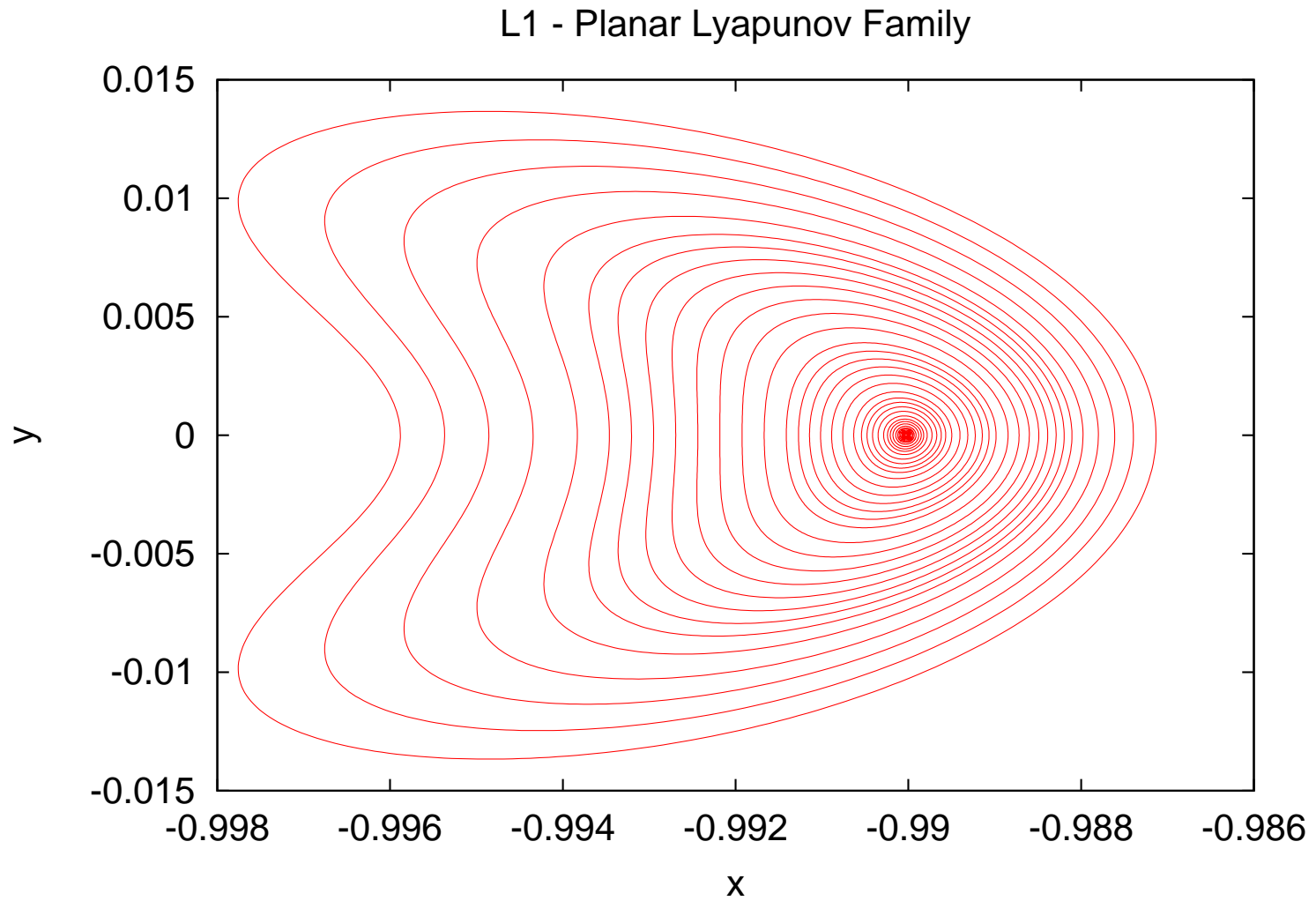
# Periodic Motion Around $L_1$ (Planar Family)

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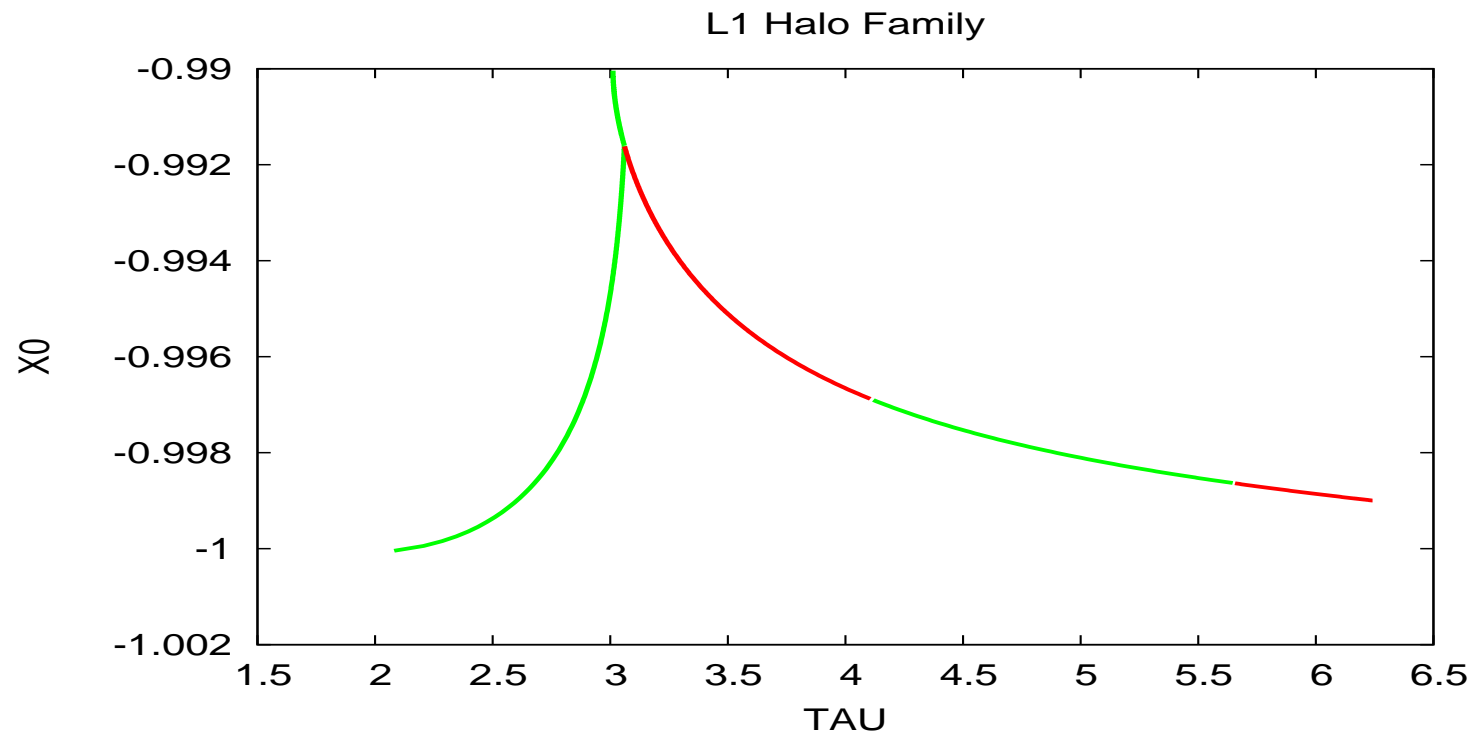
# Periodic Motion Around $L_1$ (Planar Family)

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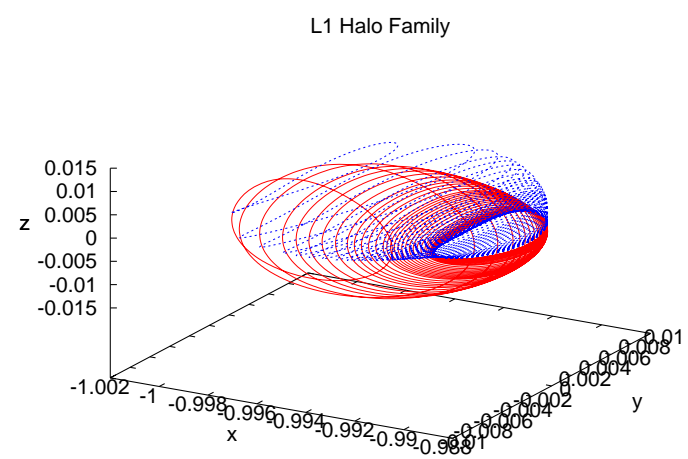
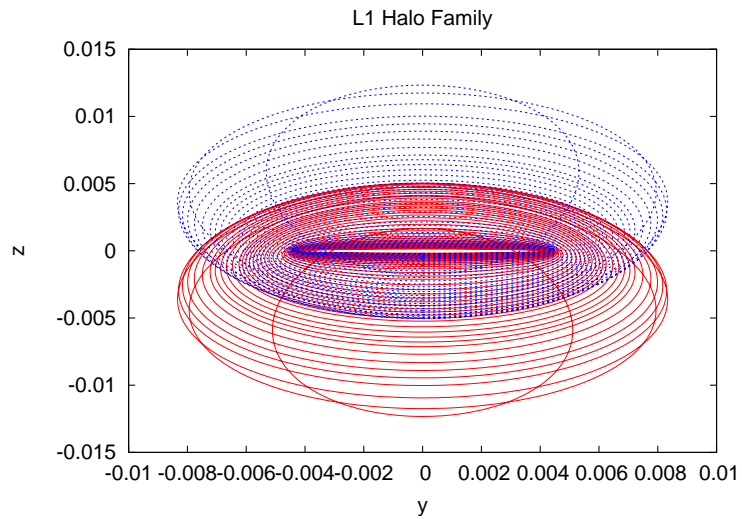
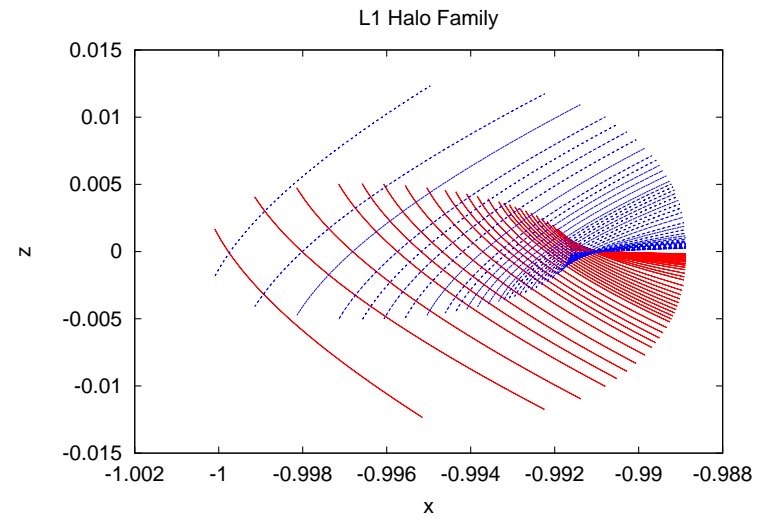
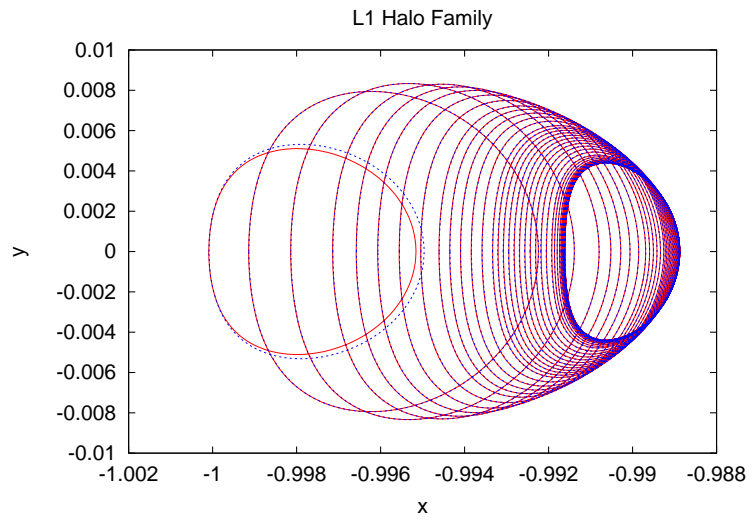


# Periodic Motion Around $L_1$ (Halo Orbits)

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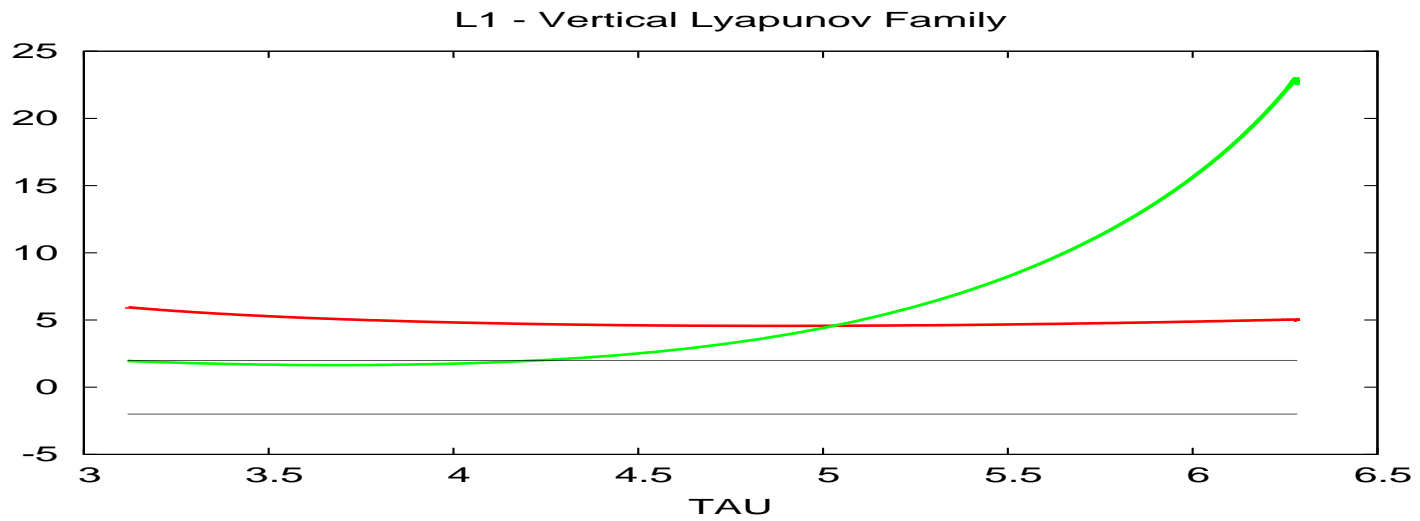
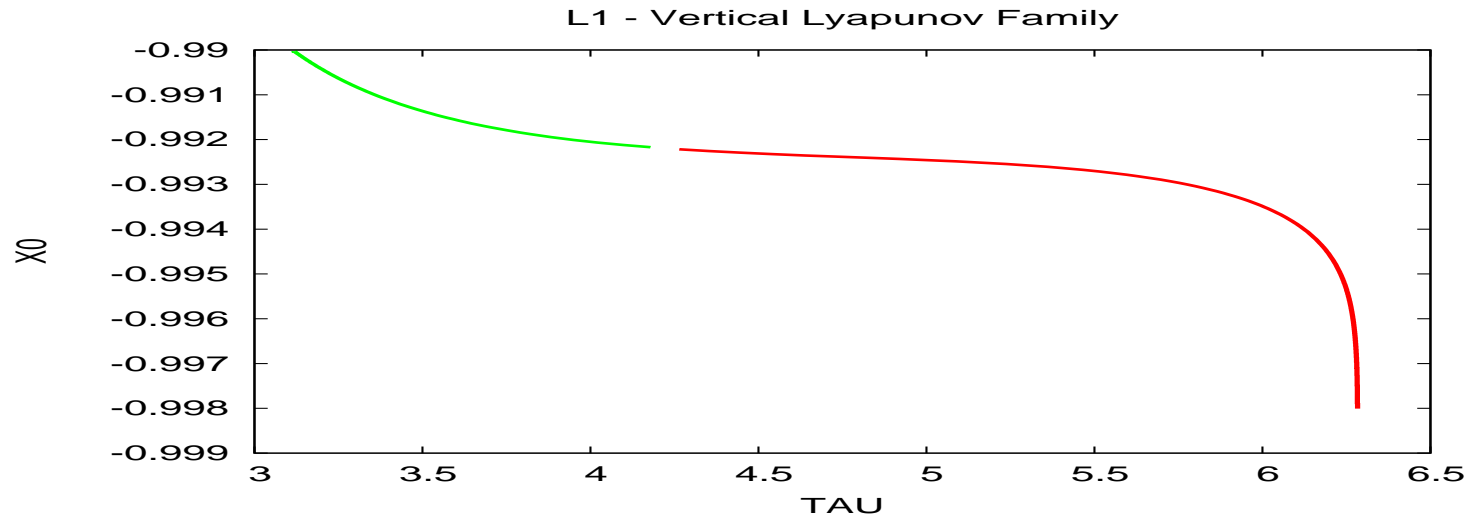


# Periodic Motion Around $L_1$ (Halo Orbits)

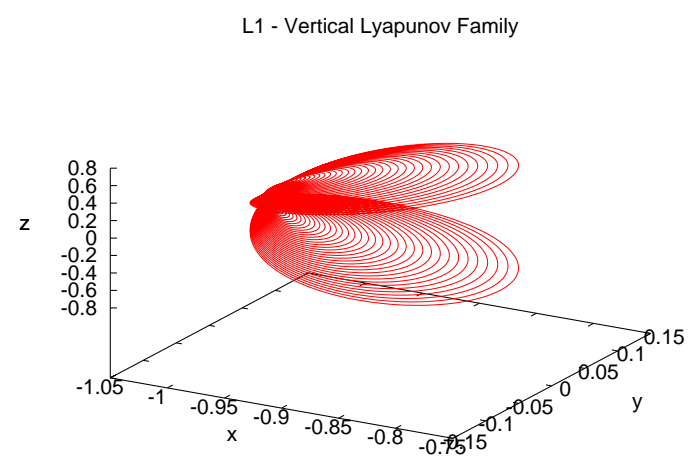
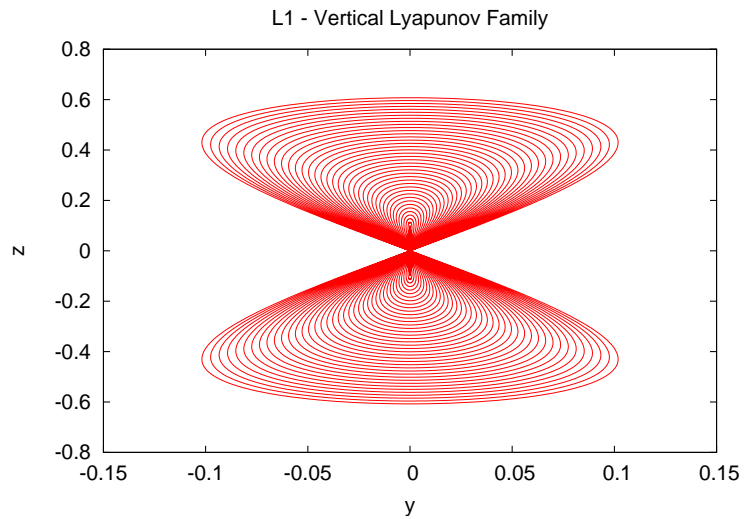
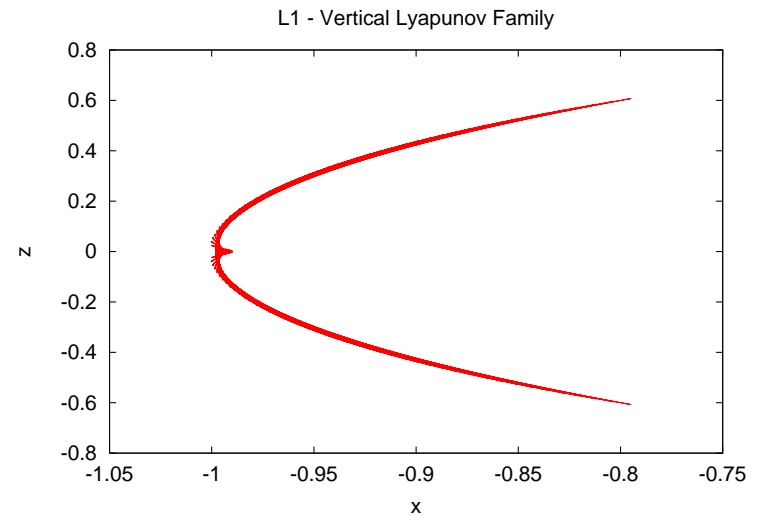
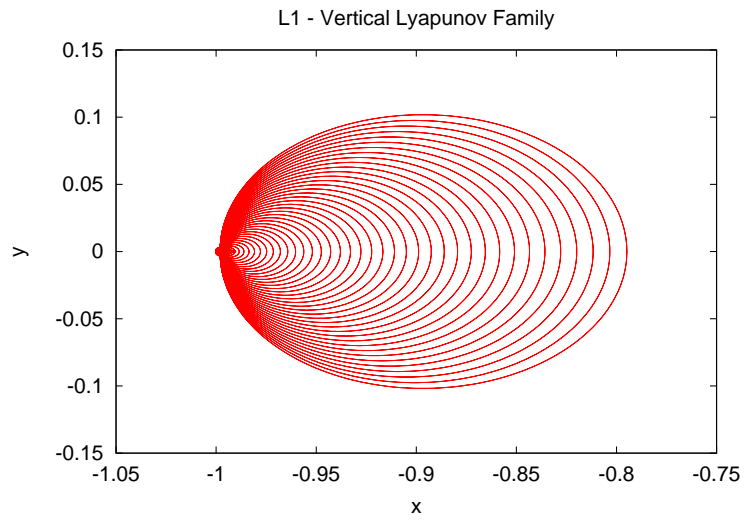


# Periodic Motion Around $L_1$ (Vertical Family)

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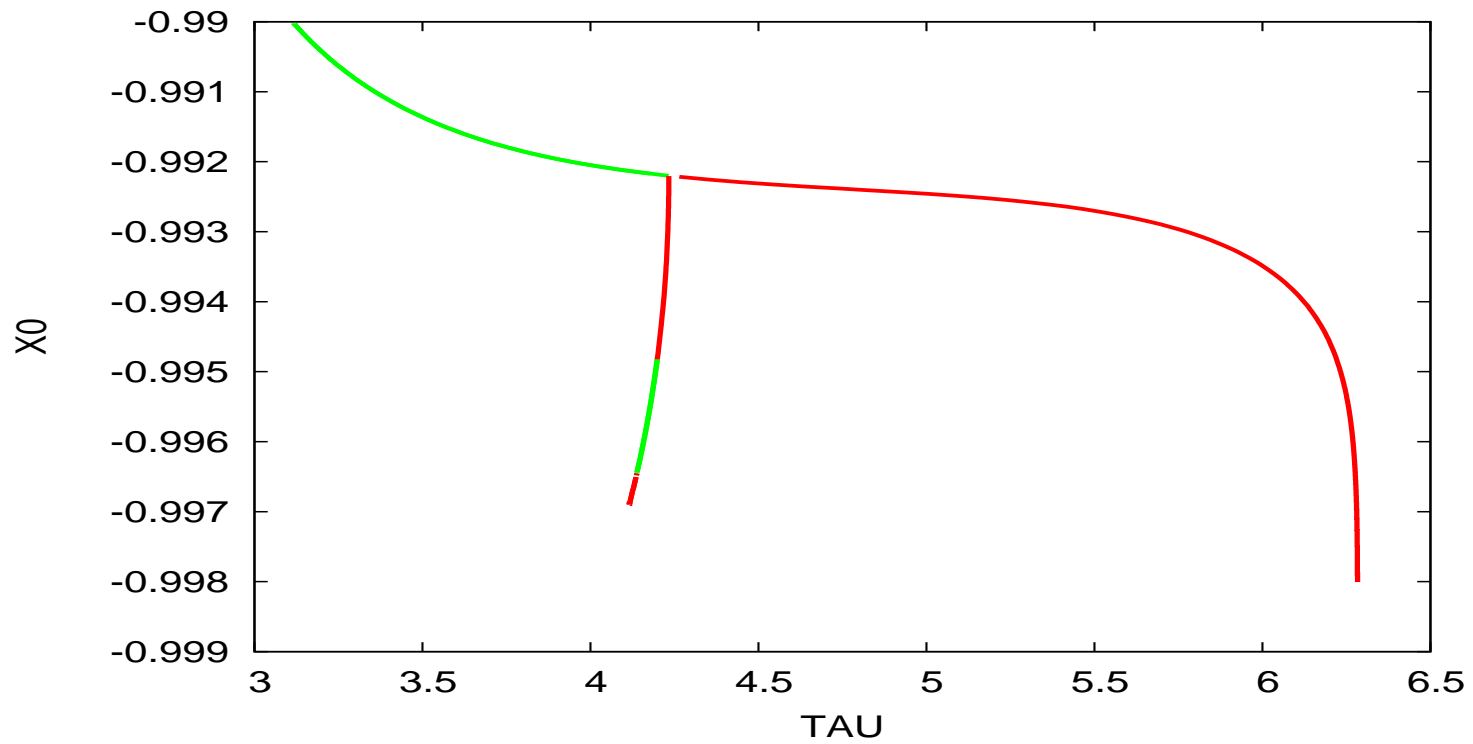


# Periodic Motion Around $L_1$ (Vertical Family)



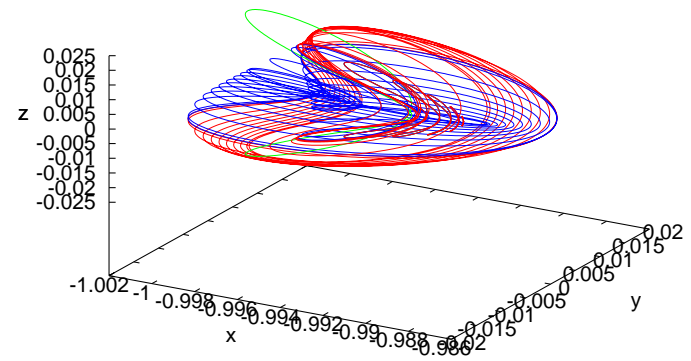
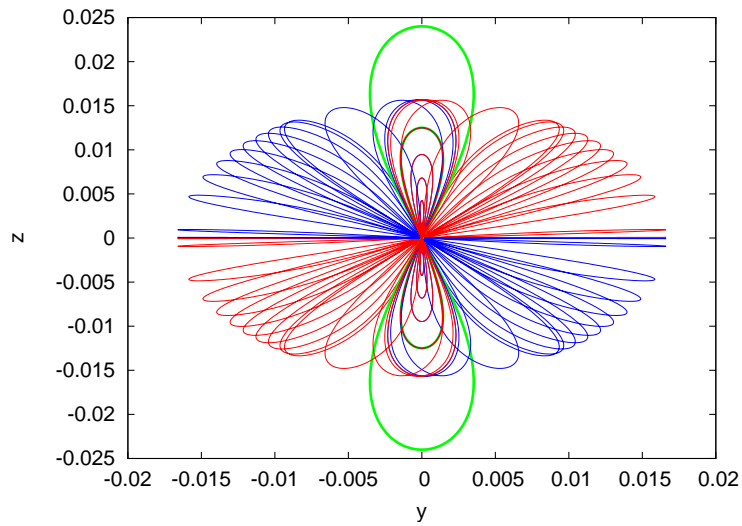
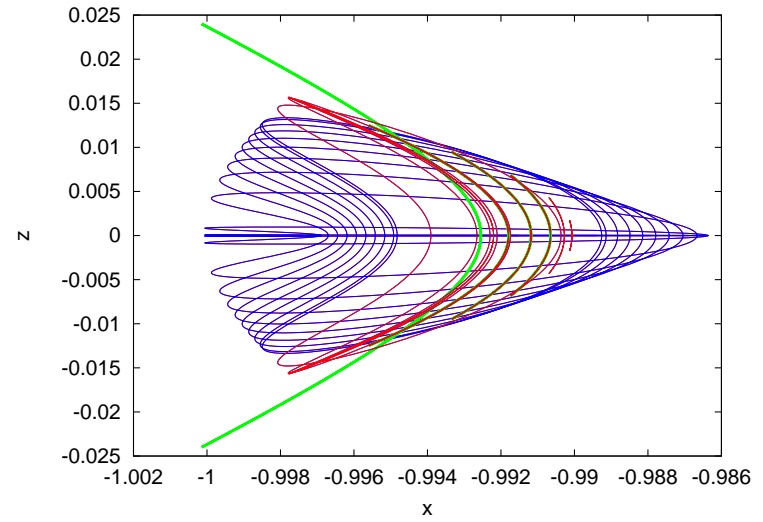
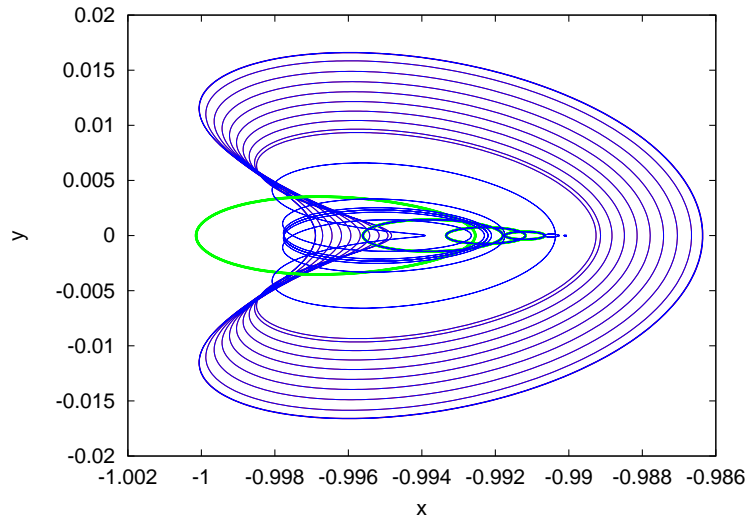
# Periodic Motion Around $L_1$ (Vertical Family 1st bif)

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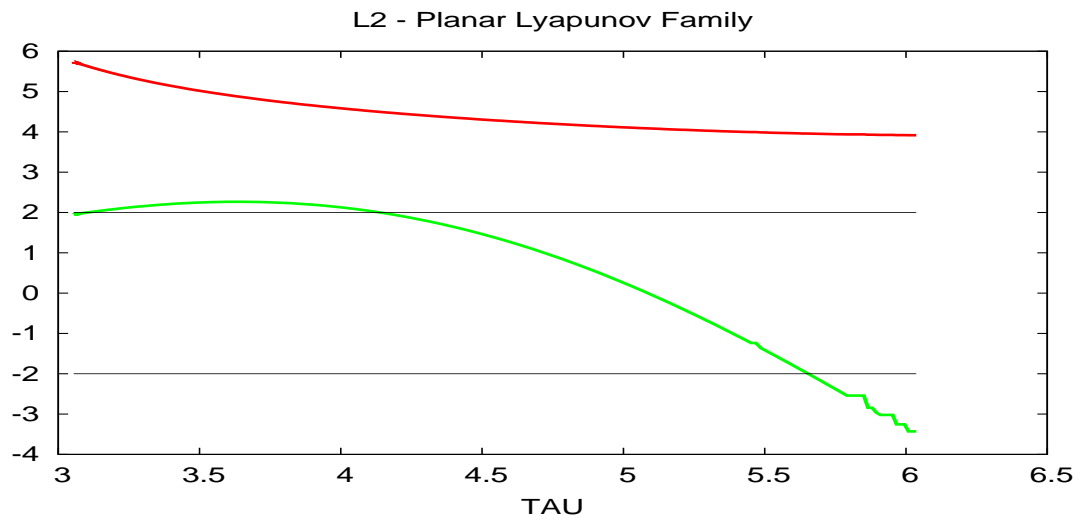
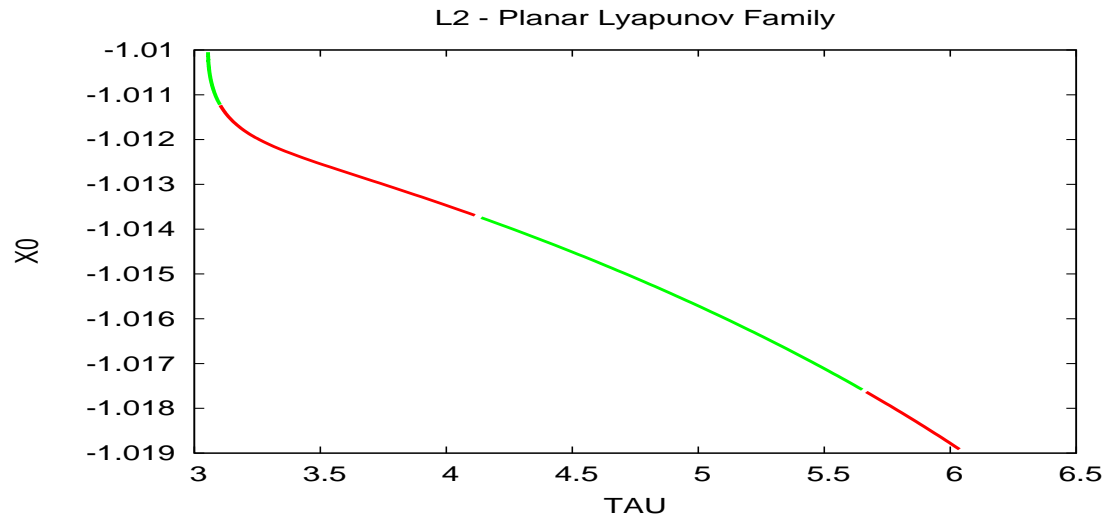


# Periodic Motion Around $L_1$ (Vertical Family 1st bif)



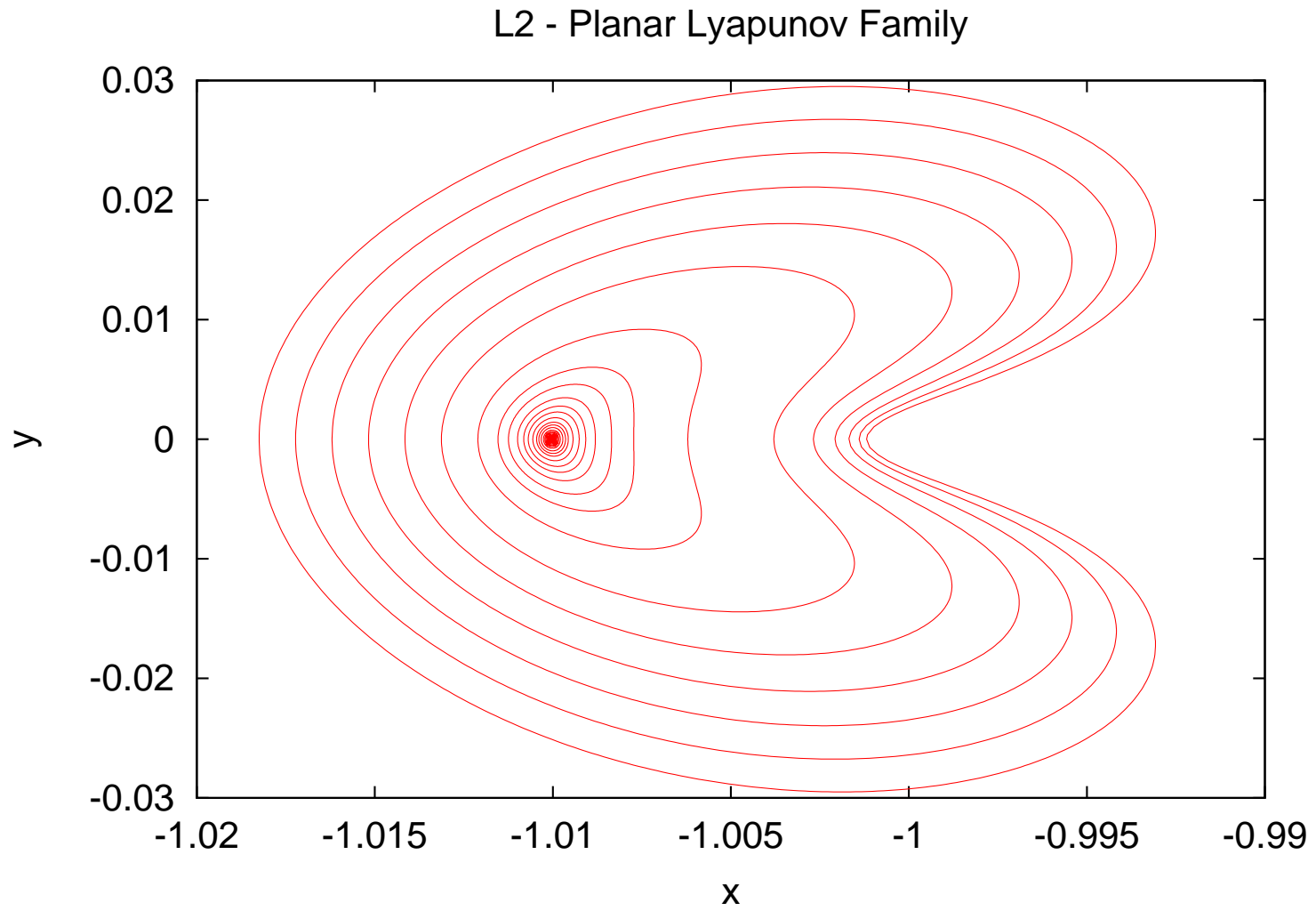
# Periodic Motion Around $L_2$ (Planar Family)

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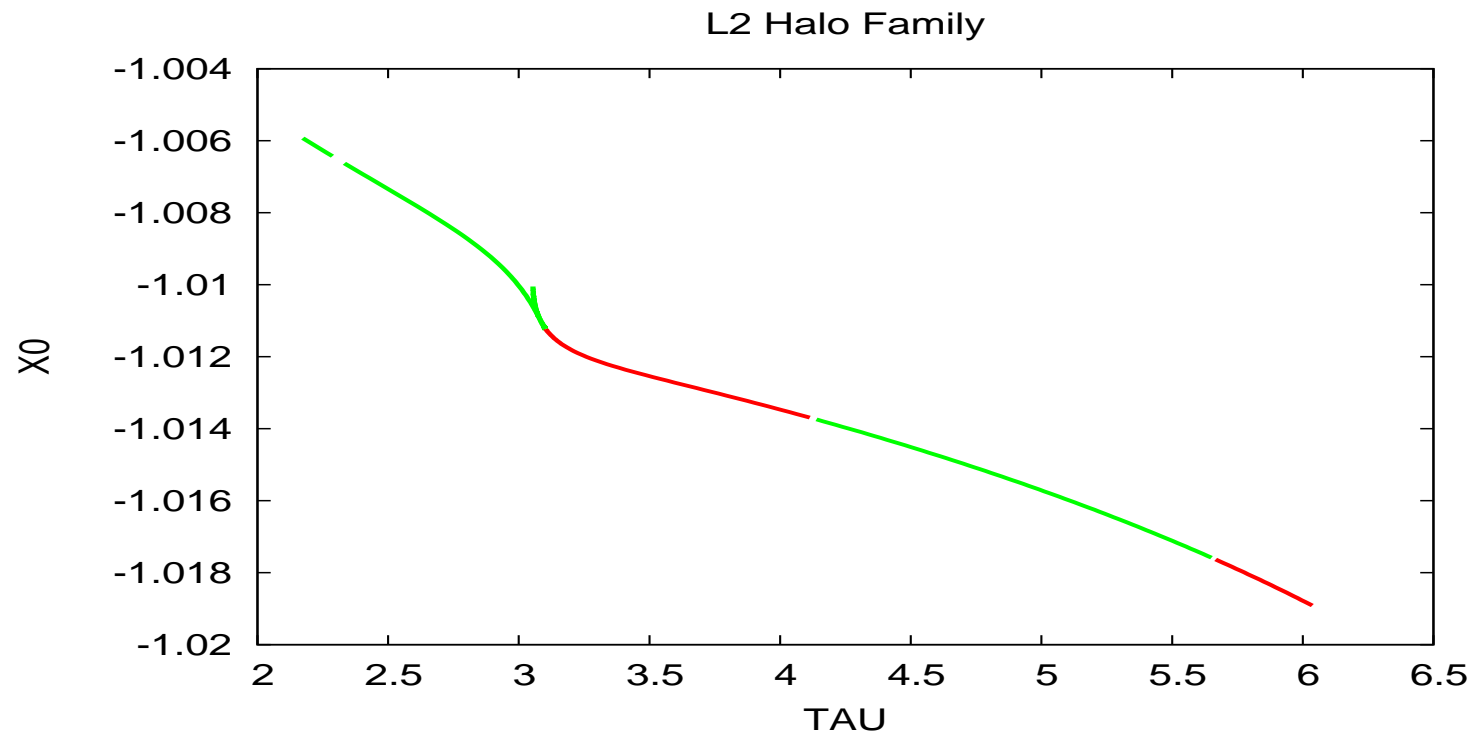
# Periodic Motion Around $L_2$ (Planar Family)

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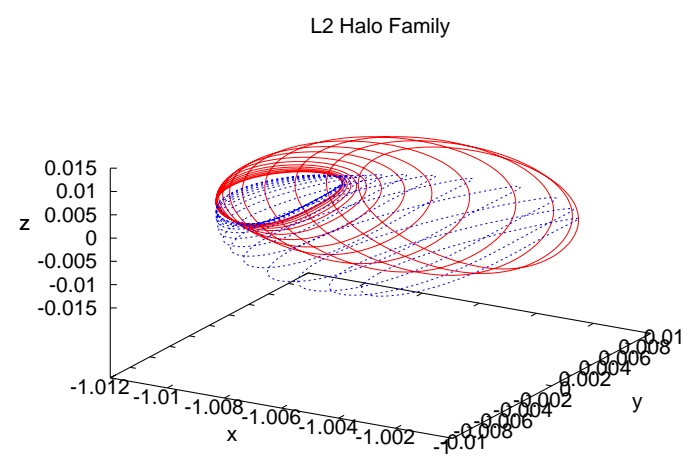
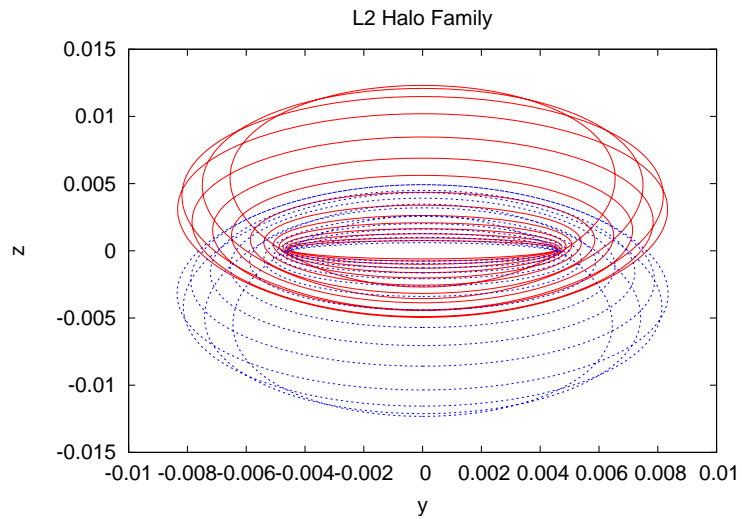
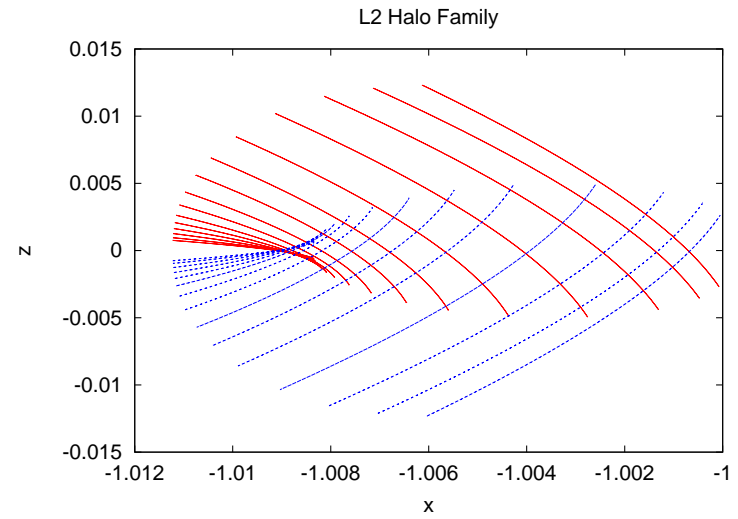
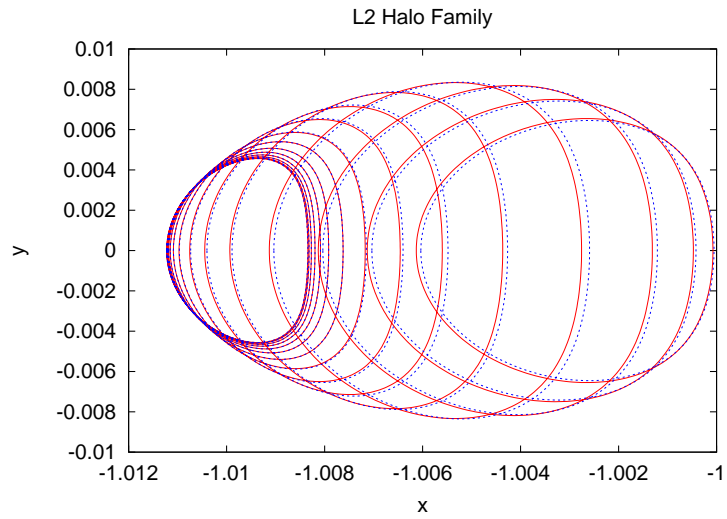


# Periodic Motion Around $L_2$ (Halo Orbits)

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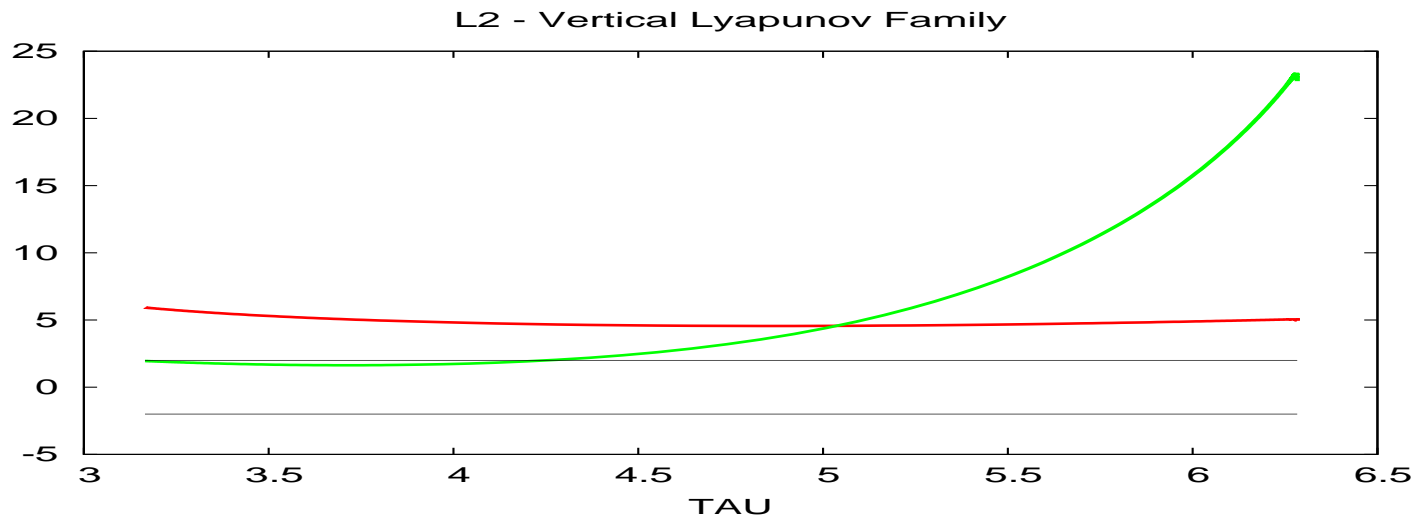
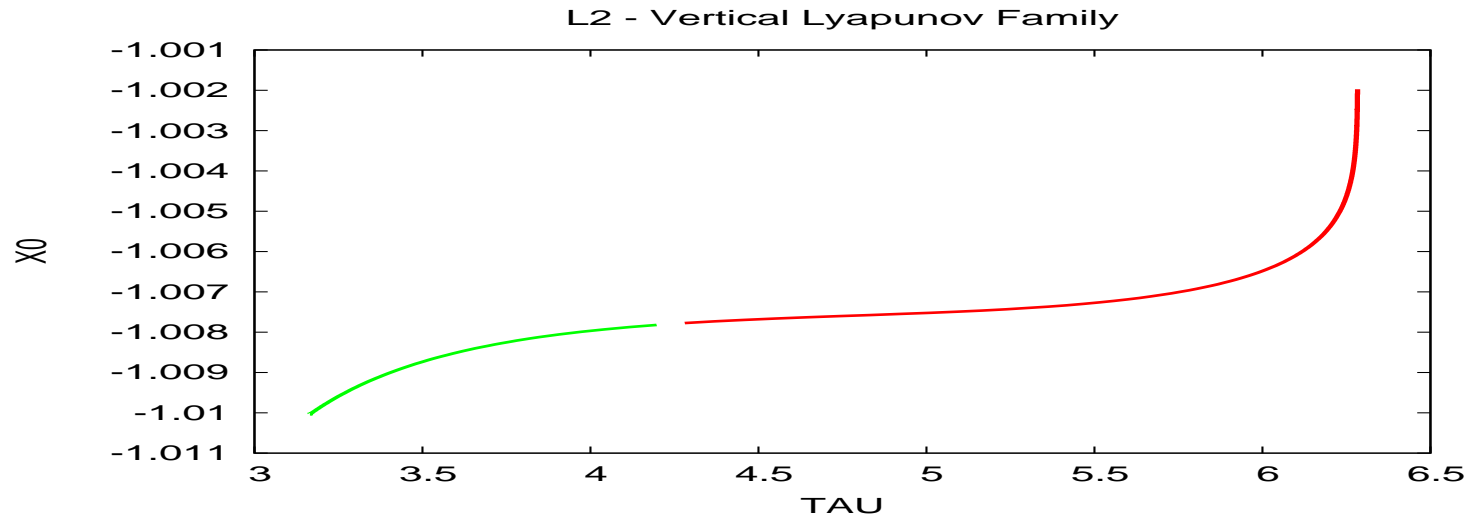


# Periodic Motion Around $L_2$ (Halo Orbits)

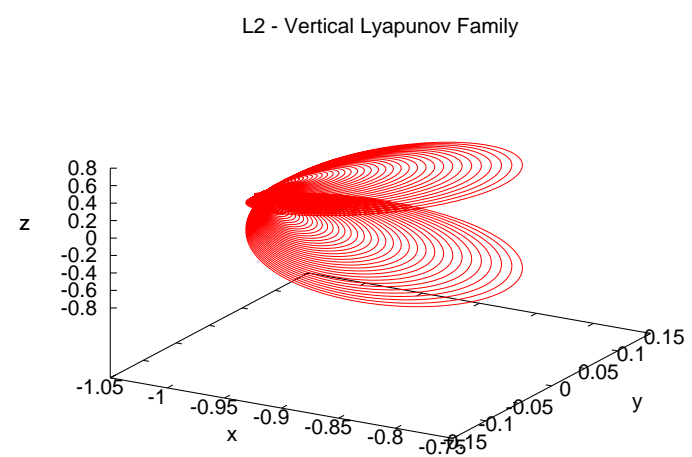
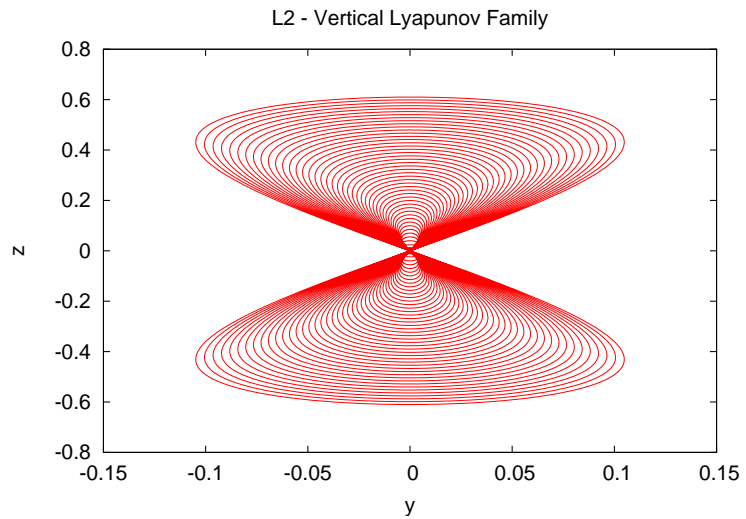
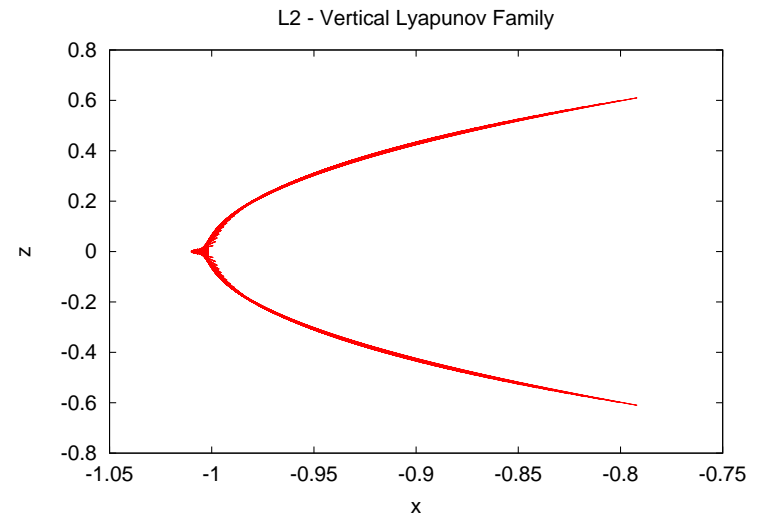
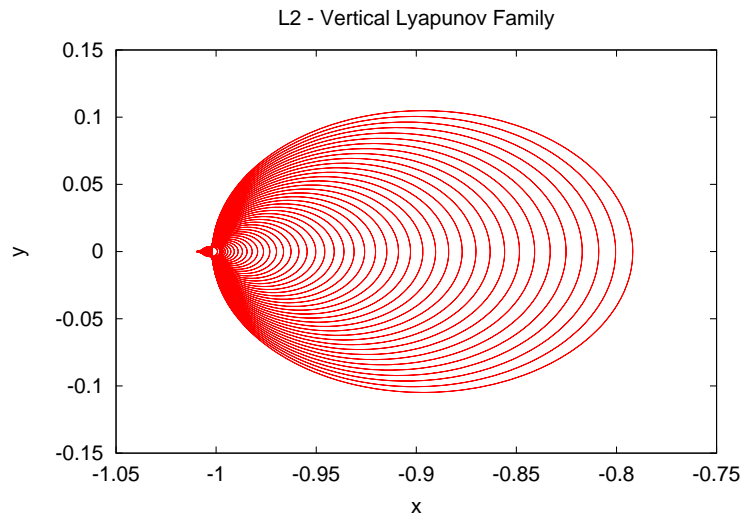


# Periodic Motion Around $L_2$ (Vertical Family)

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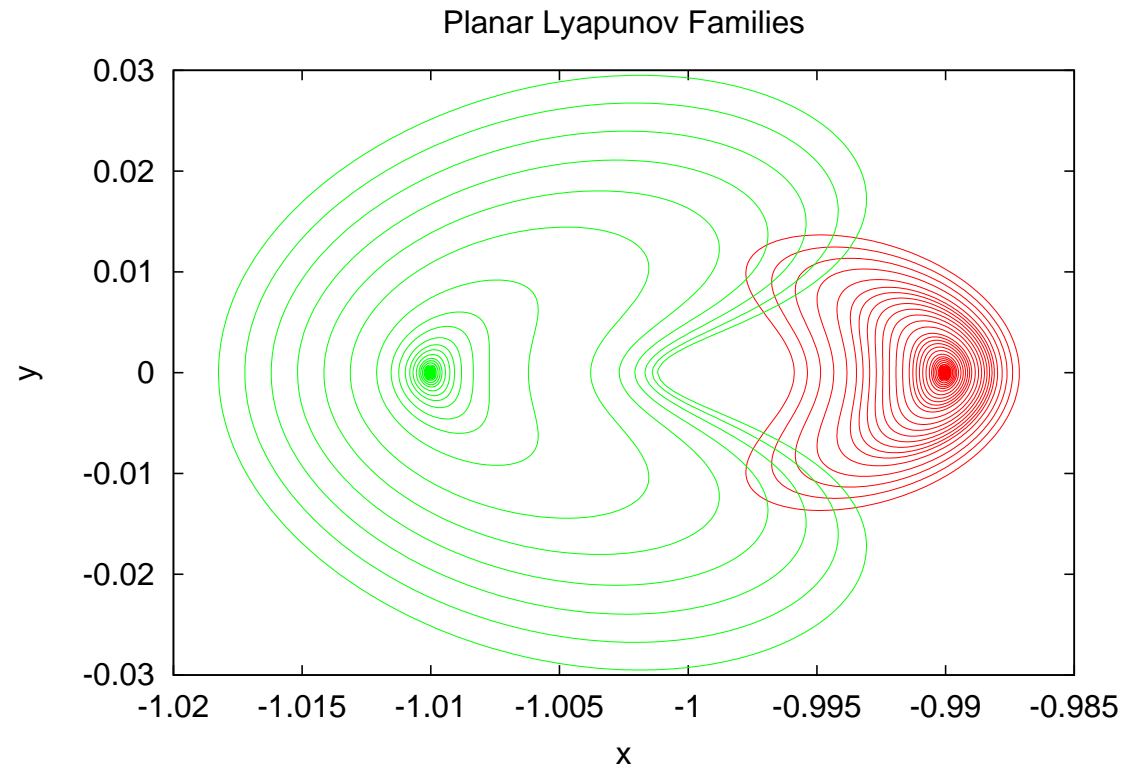


# Periodic Motion Around $L_2$ (Vertical Family)



# Periodic Motion Around $L_1$ vs $L_2$ (Planar Family)

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# Periodic Motion Around $L_1$ vs $L_2$ (Vertical Family)

