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[3] Wolf A, Swift JB, Swinney HL, Vastano JA. Determining Lyapunov Exponents From A Time Series. Physica D 1985;16:285 315. Fig. 8. The Largest Lyapunov Exponents

For The System. The Regular Behaviour Of The Two first Cases, E = E 1 And E = E 2, Makes The Thin Solid Line, And The Dashed Line, Respectively, Almost Coincide. 2th, 2024

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But The Region With. 3 FIG. 2: Outcomes For The Double Pendulum. The Initial Angles Of The Two Rods 1 And 2 Range From *`*to *`*. The Color Of Each Pix 1th, 2024

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1j Be The Location Of The Center Of Mass Of Pendulum 1. Let R 1 Be The Vector From Pivot 1 To The Center Of Mass Of Pendulum 1, With Length R 1. Let 1 Be The Angle At Pivot 1 Between R 1 And The Downward Vertical Position. Let L 1 Be The Vector From Pivot 1 To Pivot 2, With Length L 1. Let 1th, 2024

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