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### 754 Solution Linear Dynamics And

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In this section results of numerical simulation by method of characteristic are presented. These results are presented in comparison with similar calculations by the non-wave method from Ref. [].The problem of load transportation along a tether of the system was considered on the geostationary orbit with  $\omega = 0,00011 c - 1$ .The end mass is  $M = 14 k g$ , the length of the tether is  $L = 30000 m$ .

### Peculiarities of wave dynamics in the tether of a space ...

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Mechanical Engineering Department North Dakota State University 111 Dolve Hall NDSU Dept 2490, PO Box 6050 Fargo, North Dakota 58108 Email: NDSU.ME@ndsu.edu Phone: 701-231-8671 Fax: 701-231-8913 Last Updated: Thursday, January 03, 2019 11:12:54 AM

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By using the MATLAB command ode45 ,  $t = 122.79$  min Numerical solution of the ode is shown in Fig. S2.13 2-15 1.8 1.7 h(m) 1.6 1.5 1.4 0 50 100 150 200 time (min) 250 300 Figure S2.13. Numerical solution of the ode for part c) d) In this case, both  $h$  and  $x_3$  will be changing functions of time. Therefore, both Eqs. 1 and 3 will have to be solved ...

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### **Quantum algorithm - Wikipedia**

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### **Helium compounds - Wikipedia**

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The aim of this review is to elaborate on mathematical ways of finding  $\mathcal{R} 0$  for ODE disease models in a population, bearing in mind the epidemiological meaning of  $\mathcal{R} 0$ , and to demonstrate how this and other reproduction numbers can be used to guide control strategies. Section 2 introduces simple models that establish notation and serve as background for later sections.

### **Reproduction numbers of infectious disease models**

In detail, the VQE method consists of four main steps as shown in figure 3. First, on the quantum processor a tentative variational eigenstate, a trial state, is generated by a sequence of gates parameterized by a set of control parameters. In the ideal case, this trial state depends on a small number of classical parameters, whereas the set of gates is chosen to efficiently explore Hilbert space.

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