

: 1. , 1968. 2. , 2004. 4. , 1976. 5. ANSYS: , 2005. 6. ANSYS / , 2002. 7. , 2003. 8. -1, 2004.

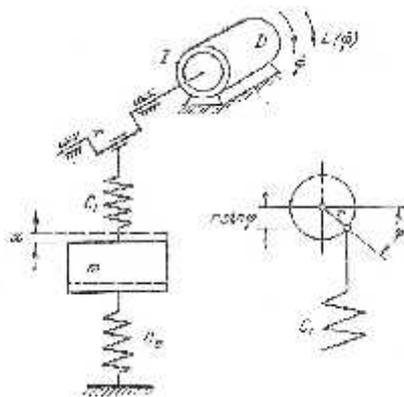
517.9

[3].

[1].

$$L(\dot{w}) (\dot{w} -$$

) -



$$m\ddot{x} + S\dot{x} + (c_0 + c_1)x = c_1 r \sin(\xi)$$

$$I\ddot{\xi} = L(\xi) - H(\xi) + c_1 r (x - r \sin(\xi)) \cos(\xi)$$

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