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Indicated In Figure P1.70. Calculate The Natural Frequency Of Vibration Of The Smaller Pipe (of Radius R_1) Rolling Back And Forth Inside The Larger Pipe (of Radius R). Use The Energy Method And Assume That The Inside Pipe Rolls Without Slipping And Has A Mass M . TRUCKER Truck Bed Small Pipe Large Pipe (a) $R_1 R O O' A A' B M g B$) Figure P1.70 7th, 2024

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$27h \sim 1 24 4 31 038 H \sim 1 24 05 15 038 H \sim 1 24 01 3 038 H \sim 1 24 01 3 0017 H$ The Linear System Whose Augmented Matrix Is The Last One Shown Is Consistent If And Only If $17 H 0$. Thus, B Is In The Plane Spanned By A_1 And A_2 If And Only If $H 17$. 19. Since $V_2 = 1.5v_1$, Span V_1, v_2 Is A Line Through The Origin In 3 . (If v_1 And V_2 5th, 2024

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