





Numerical Example Calculation results by using SOS and LMI condition :				
Method	LMI	SOS	True value	
Max Delay [s]	6.00	15.407	16.770	
Time-responses of the time-delay system : Unstable Stable $\frac{1}{2}$ $\frac{1}{2}$ Delay 15.407 [s] Delay 15.770 [s] Delay 17.300 [s]				
SOS condition provides better results than LMI approach.				
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