

Tabela 1. Resultados da estabilidade global de sistemas positivos contínuos no tempo com ordem n_x e entradas n_u comparando o método do Lema 8 ($S1$), com os do Teorema 1 ($T1$) e Corolário 1 ($C1$). As abordagens propostas utilizam os testes de copositividade dos lemas 5 ($L5$) e 7 ($L7$).

n_x	n_u	$S1$	$t(s)$	$C1_{L5}$	$t(s)$	$C1_{L7}$	$t(s)$	$T1_{L5}$	$t(s)$	$T1_{L7}$	$t(s)$
2	2	22	24.7	35	27.2	98	186.2	49	37.7	102	290.4
3	2	20	48.1	49	52.6	110	366.6	99	74.6	115	550.4
	3	2	71.6	6	80.9	50	1001.1	25	122.5	55	1601.9
4	2	59	94.8	99	108.3	148	1164.1	144	161.6	149	1817.5
	3	2	118	7	138.3	72	1818.8	54	212.8	73	2928.1
	4	0	142.1	3	173.2	35	3337.5	14	282.4	41	5969.7
5	2	75	165.4	104	204.8	154	3569.4	152	325.8	154	6243.3
	3	7	188.9	37	237.3	116	4268	109	381.9	118	7173.8
	4	0	212.5	1	272.8	37	6078.8	14	455.5	43	11028.7
	5	0	235.8	1	313.2	16	10088.2	10	554.9	20	19321.5
TOTAL		9.3%	0h36	17.1%	0h44	36.9%	9h25	33.5%	1h12	43.5%	16h21

Tabela 2. Resultados da estabilidade global de sistemas positivos discretos no tempo com ordem n_x e entradas n_u comparando o método do Lema 9 ($S2$), com os do Teorema 2 ($T2$) e Corolário 2 ($C2$). As abordagens propostas utilizam os testes de copositividade dos lemas 5 ($L5$) e 7 ($L7$).

n_x	n_u	$S2$	$t(s)$	$C2_{L5}$	$t(s)$	$C2_{L7}$	$t(s)$	$T2_{L5}$	$t(s)$	$T2_{L7}$	$t(s)$
2	2	32	24.2	61	28.9	109	162.1	97	37.3	110	210.1
3	2	43	46.1	72	55.1	133	318.6	114	75.4	131	436.6
	3	12	67.9	35	83.3	76	847.4	54	124.5	75	1336.8
4	2	64	89.7	93	111.3	146	1011.1	128	165.3	144	1601.5
	3	3	111.5	41	140.8	100	1560.5	73	217.6	99	2598.9
	4	3	134.4	9	174.2	54	3110.1	24	288.3	51	5609.4
5	2	88	156.6	117	206.1	165	3317.1	148	337.8	161	5905.8
	3	13	178.8	57	239.8	129	3902.5	99	395.2	120	6979.8
	4	1	200.9	14	275.9	75	5538.5	28	468.9	57	10760.9
	5	0	223.1	2	315.9	29	9339.5	12	563.9	27	19551.5
TOTAL		12.9%	0h34	25%	0h45	50.8%	8h08	38.8%	1h14	48.7%	15h27

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