
Standardizing the Ignition Delay Time Measurements of Rapid Compression Machine: An Inverse application of the Livengood-Wu Integral Method

Zhonghao Zhao^{a,b}, Yingtao Wu^{a,b*}

^a Petroleum, Oil & Lubricants Department in Army Logistics Academy of PLA, Chongqing, 401311, China

^b State Key Laboratory of Multiphase Flow in Power Engineering, Xi'an Jiaotong University, Xi'an, 710049, China

*Corresponding author:

Dr. Yingtao Wu

State Key Laboratory of Multiphase Flows in Power Engineering,

Xi'an Jiaotong University, Xi'an, 710049, People's Republic of China

Phone: 86-29-8266-5075, Fax: 86-29-8266-8789

Email: wuyingtao@xjtu.edu.cn (YW)

Supplementary Materials

Detailed values of the parameters and the corresponding $\bar{\delta}$

Table. S1 Detailed values of the parameters and the corresponding $\bar{\delta}$ of Inputs-1

A	n	E	$\bar{\delta}$
1.0000E-6	-1.0000	1.4959E+5	-0.200
1.0000E-6	-1.0000	1.4878E+5	-0.100
1.7558E-6	-1.0000	1.4411E+5	-0.025
2.4049E-6	-1.2924	1.4763E+5	0.002
1.0000E-6	-1.0000	1.4684E+5	0.170
1.0000E-6	-0.8228	1.4272E+5	0.260
2.2770E-6	-0.9466	1.3875E+5	0.350
1.1425E-6	-0.9417	1.4287E+5	0.500
1.1667E-6	-0.9438	1.4156E+5	0.780
1.1678E-6	-0.9438	1.4078E+5	1.000

Table. S2 Detailed values of the parameters and the corresponding $\bar{\delta}$ of Inputs-2

A	n	E	$\bar{\delta}$
4.0441E-6	-0.6426	1.3048E+5	-0.200
4.8284E-6	-1.4456	1.4541E+5	-0.100
3.6700E-6	-1.2529	1.4253E+5	-0.003
5.0685E-6	-1.9038	1.5529E+5	0.000
2.0933E-6	-0.7552	1.3526E+5	0.100
1.0000E-6	-0.6172	1.3706E+5	0.200
5.0400E-6	-1.0138	1.3329E+5	0.300
2.2525E-6	-0.9979	1.3782E+5	0.470
3.6296E-6	-1.4436	1.4332E+5	0.590

1.0000E-6	-1.5000	1.5278E+5	0.840
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Table. S3 Detailed values of the parameters and the corresponding $\bar{\delta}$ of Inputs-3

A	n	E	$\bar{\delta}$
1.9039E-6	-1.3677	1.5241E+5	-0.200
2.7323E-6	-1.3797	1.4920E+5	-0.100
2.7358E-6	-1.3808	1.4876E+5	-0.047
2.7743E-6	-1.3889	1.4810E+5	0.050
2.7436E-6	-1.3824	1.4774E+5	0.100
2.7880E-6	-1.3912	1.4703E+5	0.200
2.7063E-6	-1.3756	1.4642E+5	0.300
2.6892E-6	-1.3738	1.4564E+5	0.450
9.8460E-6	-1.3841	1.3510E+5	0.700
1.0000E-6	-1.3693	1.5083E+5	0.900
