

左边界

右边界

表 1: 激光器规格

hline Wave-length	Model	Package	Emmitter type	Manu-facturer	Power (mW)	Iop (mA)	Ith (mA)	Vop (V)
hline 405	DL-7386-101HG	TO-56	single	sanyo	50-70	70	35	4.8
hline 450	PL 450	TO-38	single	osram	50-90	120	30	5.5
hline 638	ML520G54	TO-56	single	mitsubishi	90-100	150	50	2.7
hline 655 hline	DL-5147-242	TO-56	single	sanyo	30-50	80	40	3.8

Symbol	Meaning
t	Time
N	Total reported opioid cases
N_t	Total reported drug cases
λ	Average cases induced by a single case
A_t	Status at t
E	Set containing socio-economic factors with high correlation t
T	Transition matrix
$i(t)$	Proportion of opioid cases in all drug cases at t
μ_1	Average number of drug cases induced by an existing drug case
μ_2	Number of opioid cases induced among all drug cases
γ	Drug spread slow down factor
i_0	Status at t
H	Information Entropy
p_0	Initial number of drug cases

$w = 8$				$w = 16$			$w = 32$		
	$t = 0$	$t = 1$	$t = 2$	$t = 0$	$t = 1$	$t = 2$	$t = 0$	$t = 1$	$t = 2$
$dir = 1$									
c	0.0790	0.1692	0.2945	0.3670	0.7187	3.1815	-1.0032	-1.7104	-21.7969
c	-0.8651	50.0476	5.9384	-9.0714	297.0923	46.2143	4.3590	34.5809	76.9167
c	124.2756	-50.9612	-14.2721	128.2265	-630.5455	-381.0930	-121.0518	-137.1210	-220.2500
$dir = 0$									
c	0.0357	1.2473	0.2119	0.3593	-0.2755	2.1764	-1.2998	-3.8202	-1.2784
c	-17.9048	-37.1111	8.8591	-30.7381	-9.5952	-3.0000	-11.1631	-5.7108	-15.6728
c	105.5518	232.1160	-94.7351	100.2497	141.2778	-259.7326	52.5745	10.1098	-140.2130