

dt= 0.2											
Explicit		Implicit		Symplectic		Matrix		Inverse		Product	
x	y	x	y	x	y						
1.0	0.0	1	0	1	0	1	0.2	0.9615384615	-0.192307692	1	-2.77556E-17
1	0.2	0.9615384615	0.1923076923	1	0.2	-0.2	1	0.1923076923	0.9615384615	2.77556E-17	1
0.96	0.4	0.8875739645	0.3698224852	0.96	0.392						
0.88	0.592	0.7823167956	0.5262858443	0.8816	0.56832						
0.7616	0.768	0.6510188719	0.6564896187	0.767936	0.7219072						
0.608	0.92032	0.4997316809	0.7564359549	0.62355456	0.846618112						
0.423936	1.04192	0.3350427788	0.8234445106	0.4542309376	0.9374642995						
0.215552	1.1267072	0.1638018045	0.8562048715	0.2667380777	0.9908119151						
-0.00978944	1.1698176	-0.007153048	0.854774262	0.0685756947	1.004527054						
-0.24375296	1.167859712	-0.171257596	0.8205227427	-0.132329716	0.9780611108						
-0.477324902	1.11910912	-0.322463601	0.7560300225	-0.327941938	0.9124727231						
-0.701146726	1.0236441395	-0.455451544	0.6649397137	-0.510436483	0.8103854265						
-0.905875554	0.8834147942	-0.565807199	0.551778274	-0.672513568	0.6758827129						
-1.082558513	0.7022396834	-0.65015659	0.4217469561	-0.807690111	0.5143446907						
-1.22300645	0.4857279807	-0.706255751	0.2804958059	-0.910559049	0.332232881						
-1.320152046	0.2411266908	-0.733033569	0.133889092	-0.977005625	0.1368317559						
-1.368377384	-0.022903718	-0.730587873	-0.012228483	-1.004371976	-0.064042639						
-1.36379664	-0.296579195	-0.700136708	-0.152255824	-0.991563448	-0.262355329						
-1.304480801	-0.569338523	-0.643928407	-0.281041505	-0.939092383	-0.450173806						
-1.190613097	-0.830234684	-0.565115486	-0.394064603	-0.849057622	-0.61998533						
-1.02456616	-1.068357303	-0.467598621	-0.487584327	-0.725060556	-0.764997441						
-0.810894699	-1.273270535	-0.355847842	-0.558753895	-0.572061067	-0.879409654						
-0.556240592	-1.435449475	-0.234708714	-0.605695638	-0.396179136	-0.958645482						
-0.269150697	-1.546697593	-0.109201526	-0.627535943	-0.20445004	-0.99953549						
0.0401888212	-1.600527733	0.0156785222	-0.624400239	-0.004542942	-1.000444078						
0.3602943678	-1.592489969	0.1351524711	-0.597369745	0.1955458735	-0.961334904						
0.6787923615	-1.520431095	0.2448330962	-0.548403125	0.3878128542	-0.883772333						
0.9828785805	-1.384672623	0.3408785781	-0.48022741	0.5645673207	-0.770858869						
1.259813105	-1.188096907	0.4201192886	-0.396203552	0.7187390944	-0.627111105						
1.4974324864	-0.936134286	0.4801538452	-0.300172783	0.8441613043	-0.458278789						
1.6846593435	-0.636647788	0.5194119248	-0.196290398	0.9358170621	-0.271115376						
1.8119889012	-0.29971592	0.5371826965	-0.088853859	0.9900401374	-0.073107349						
1.8719320851	0.0626818606	0.5336091041	0.0178679621	1.0046616071	0.1278249725						
1.859395713	0.4370682776	0.5096495305	0.1197978682	0.9790966126	0.3236442951						
1.7719820575	0.8089474202	0.4670095739	0.2131997829	0.9143677536	0.5065178458						
1.6101925734	1.1633438317	0.408047709	0.2948093247	0.8130641845	0.6691306827						
1.3775238071	1.4853823464	0.3356594654	0.3619412178	0.6792380479	0.8049782923						
1.0804473378	1.7608871078	0.2531454056	0.4125702989	0.5182423895	0.9086267702						
0.7282699163	1.9769765753	0.1640686018	0.4453840193	0.3365170354	0.9759301772						
0.3328746012	2.1226305586	0.072107498	0.4598055189	0.141331	1.0041963772						

