

### نتایج آزمایش دشارژ خازن با استفاده از نرم افزار سیمولینک

$e1 = 7$   $e2 = 11.87$   $R = 113000$   $C = 0.000470$   $charge\ time = 120\ s$

t (s)	x/C	y/C
20	3.193718679874554	5.688345593581267
40	2.792205955772114	4.919896457309328
60	2.453220196065692	4.261576650991478
80	2.163992041695272	3.696704115295613
100	1.914899941536570	3.211282130176886
120	1.698630097704804	2.793534944761771

$e1 = 7$   $e2 = 11.97$   $R = 113000$   $C = 0.000470$   $charge\ time = 120\ s$

t (s)	x/C	y/C
20	3.192760066518962	5.736832944282614
40	2.791756098016769	4.961609907181849
60	2.453170043249628	4.297508305144537
80	2.164247735151546	3.727696580104488
100	1.915382144851450	3.238051531167802
120	1.699272835019677	2.816690322457813

$e1 = 7$   $e2 = 12$   $R = 113000$   $C = 0.000470$   $charge\ time = 120\ s$

t (s)	x/C	y/C
20	3.192472482519747	5.751379149491339
40	2.791621140696433	4.974123942142279
60	2.453154997408596	4.308287801384390
80	2.164324443192166	3.736994319549163
100	1.915526805847097	3.246082351470969
120	1.699465656218824	2.823636935758933

$e1 = 7$   $e2 = 12.04$   $R = 113000$   $C = 0.000470$   $charge\ time = 120\ s$

t (s)	x/C	y/C
20	3.192089037175510	5.770774089772626
40	2.791441197594342	4.990809322093265
60	2.453134936280697	4.322660463053078
80	2.164426720574964	3.749391305475716
100	1.915719687173040	3.256790111866226
120	1.699722751141607	2.832899086843077