

SWING CASE test_gov EXECUTED ON 27-Apr-02 USING VERSION 6.07
 6000 BUS POWER FLOW CASE(TESTGOV) EXECUTED ON 4/27/ 2
 CASE GOVERNOR SWI 001
 GOVERNOR: TESTS GOVERNOR AND TURBINE MODELS.
 MECHANICAL TORQUE OPTION

CASE TESTGOV 1 1
 LS HS TD1 500. GEN TD1 20.0 1 1 5.0 .0001
 LS HS TD1 500. GEN TD1 20.0 1 -1 10.0
 F1 1
 FF 1. 120. 1 1

LOW BUS VOLTAGES WERE NOT CALCULATED
 DURING THE FOLLOWING FAULT PERIODS.

5.000 CYCLES TO 10.000 CYCLES

THE FOLLOWING 20 BUSES HAVE THE LOWEST BUS VOLTAGES
 DURING NONFAULT PERIODS.

BUS NAME	BASE KV	VOLTAGE(PU)	RELATIVE %	TIME(CYCLES)
HS TD1	500.0	0.7882	74.13	30.00
LOD TD1	500.0	0.8143	83.24	30.00
GEN TD1	20.0	0.9312	84.65	32.00
CTY TD1	500.0	0.9983	99.83	30.00
SLACK	500.0	1.0000	100.00	27.00

THE FOLLOWING 20 BUSES HAVE THE HIGHEST BUS VOLTAGES

BUS NAME	BASE KV	VOLTAGE(PU)	RELATIVE %	TIME(CYCLES)
GEN TD1	20.0	1.1000	100.00	5.00
HS TD1	500.0	1.0715	100.76	67.00
CTY TD1	500.0	1.0001	100.01	71.00
SLACK	500.0	1.0000	100.00	50.00
LOD TD1	500.0	0.9908	101.29	68.00

THE FOLLOWING 20 BUSES HAVE THE LOWEST BUS FREQUENCIES
 DURING NONFAULT PERIODS.

BUS NAME	BASE KV	FREQUENCY(HERTZ)	TIME(CYCLES)
GEN TD1	20.0	-0.5338	51.00
HS TD1	500.0	-0.4117	51.00
LOD TD1	500.0	-0.1262	54.00
CTY TD1	500.0	-0.0012	54.00
SLACK	500.0	0.0000	54.00

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*****
****                                     ****
****                                VFHIST                                ****
****                                     ****
****          GLOBAL BUS VOLTAGE AND FREQUENCY SCANNING REPORT          ****
****                                     ****
****          TIME INTERVAL =      0.0 TO    118.0 CYCLES                ****
****                                     ****
****                                     ****
**** BASE CASE TITLE:                                                    ****
**** TESTGOV                                                            ****
**** test_gov                                                            ****
****                                     ****
*****
  
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----- No-load bus relative voltage dip below -2.0% For entire system -----

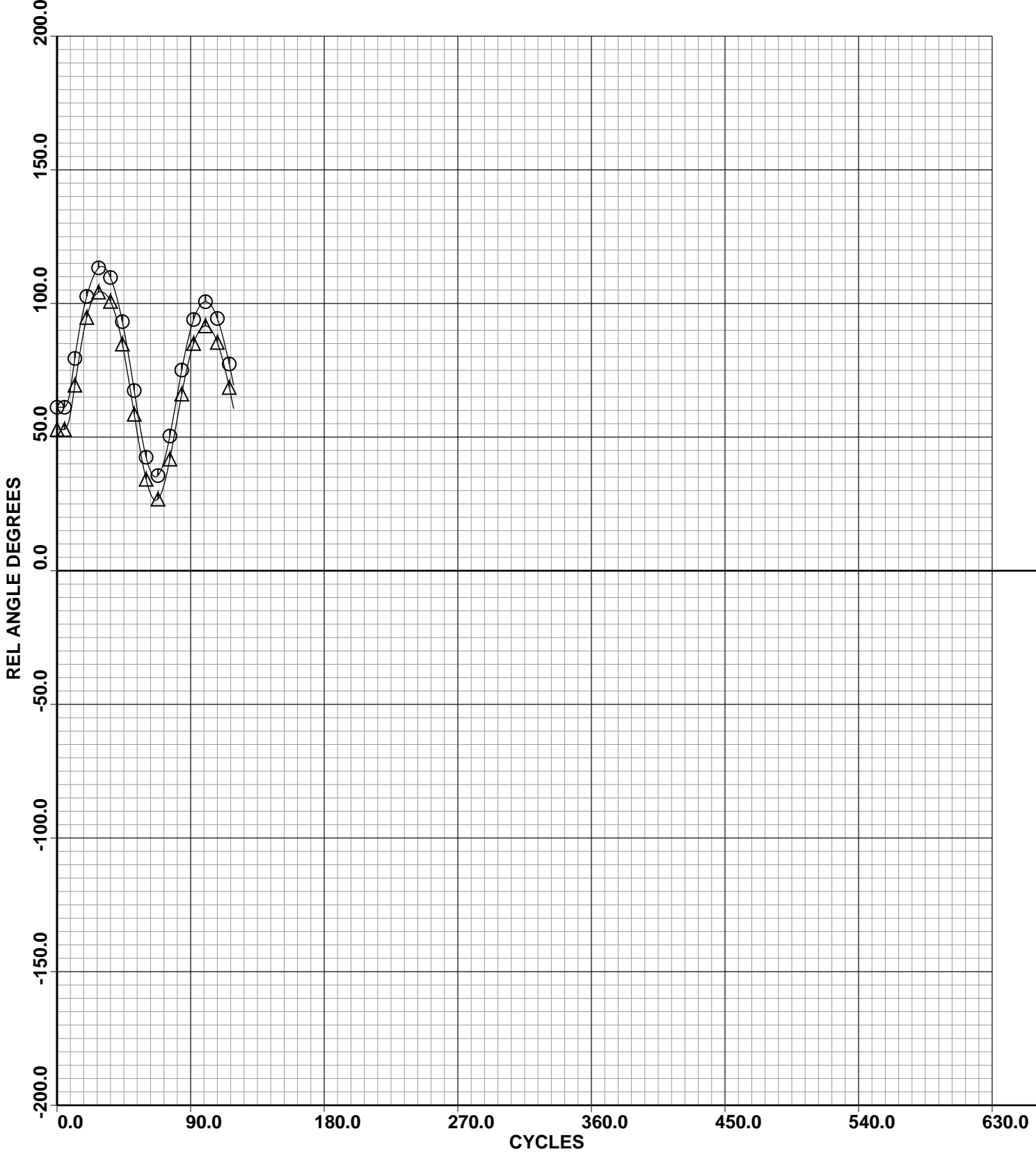
Bus name	start	end	elapsed	VLO%	area
	cycles	cycles	cycles		
[GEN TD1 20.0]	60.00	120.00	60.00	87.51	1 System
[HS TD1 500.0]	78.00	120.00	42.00	81.08	1 System

----- Load bus relative voltage dip below -1.0% for entire system -----

Bus name	start	end	elapsed	vlo%	area
	cycles	cycles	cycles		

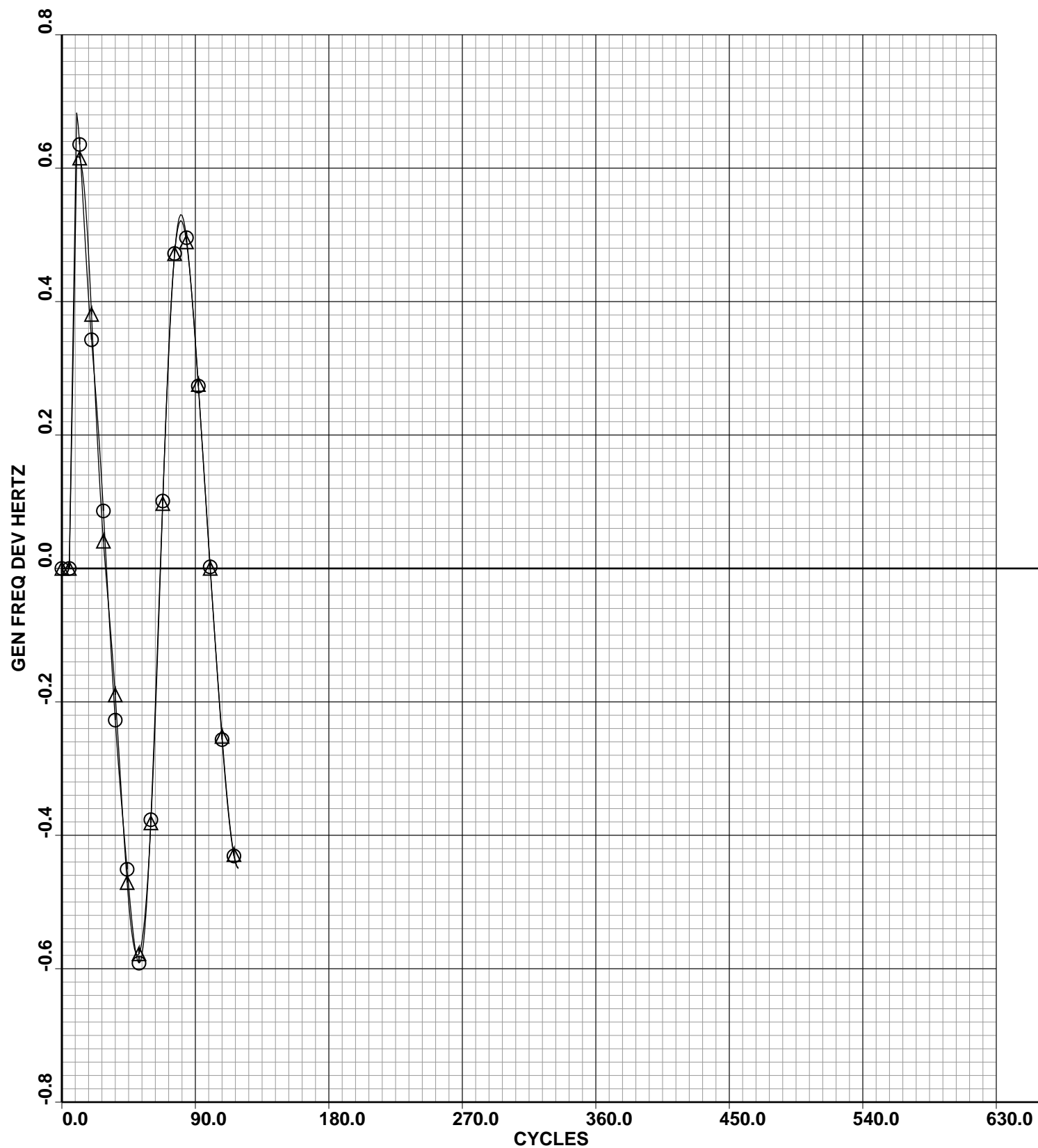
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△ GEN TD1 20.0 L



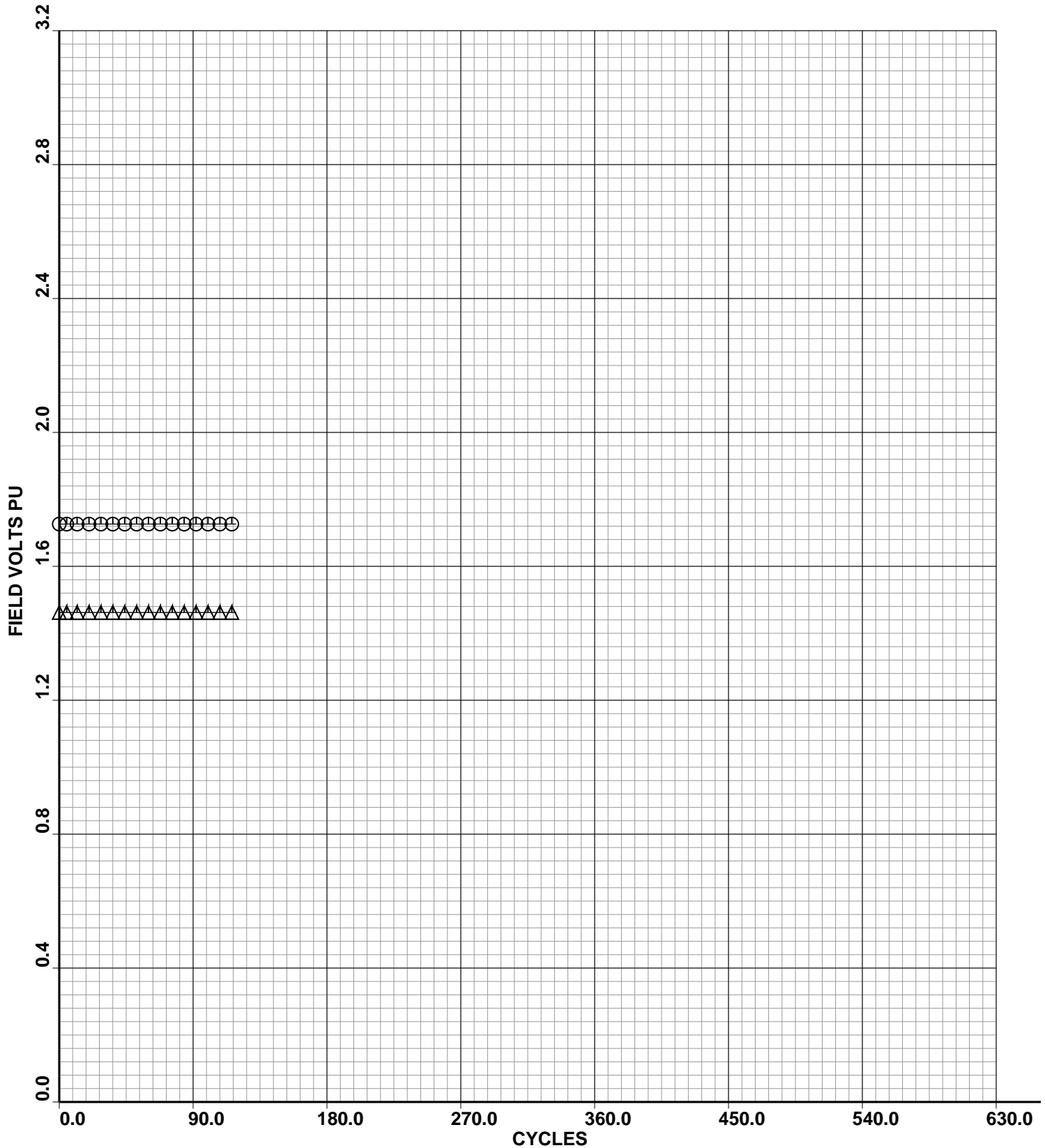
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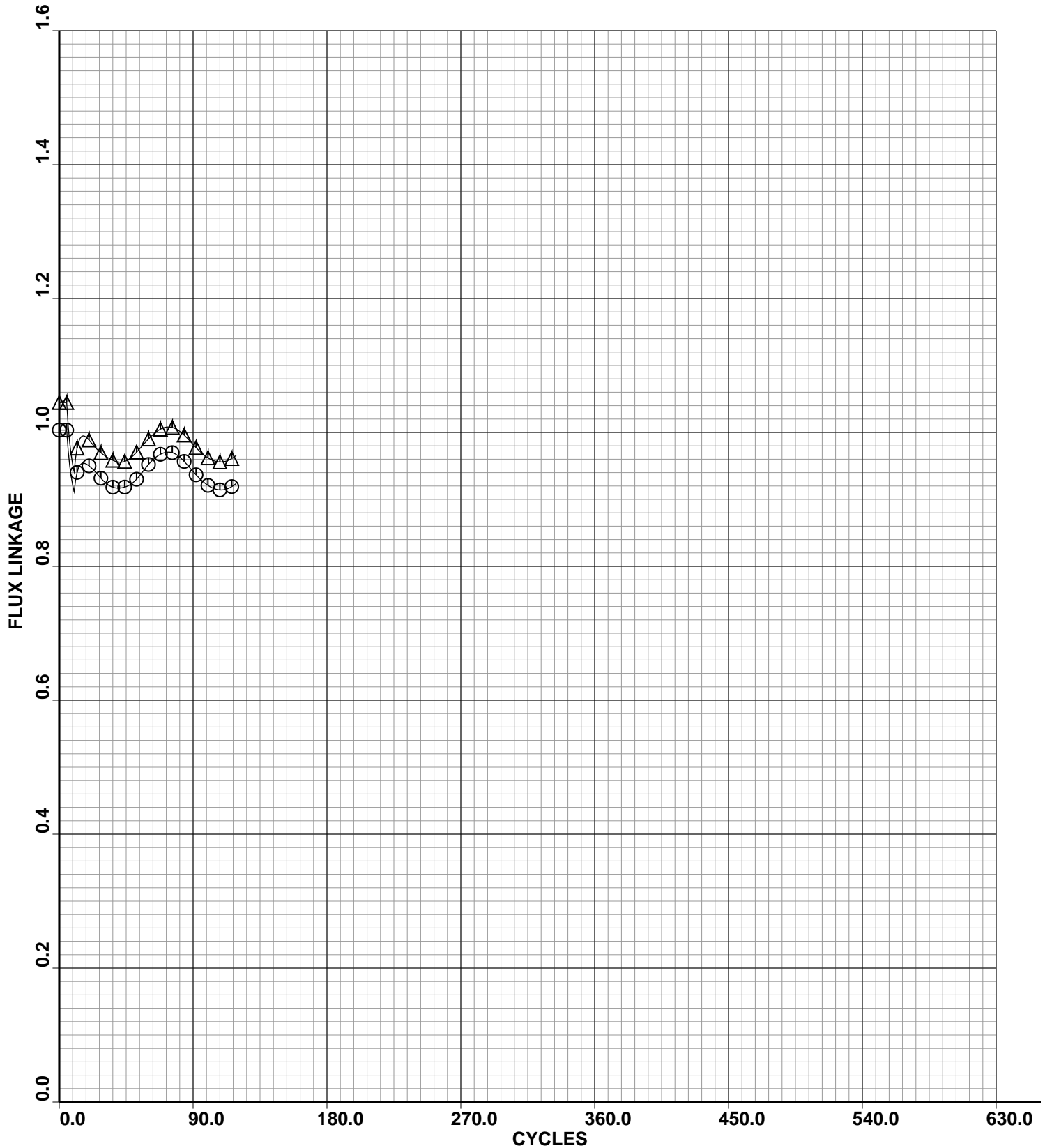
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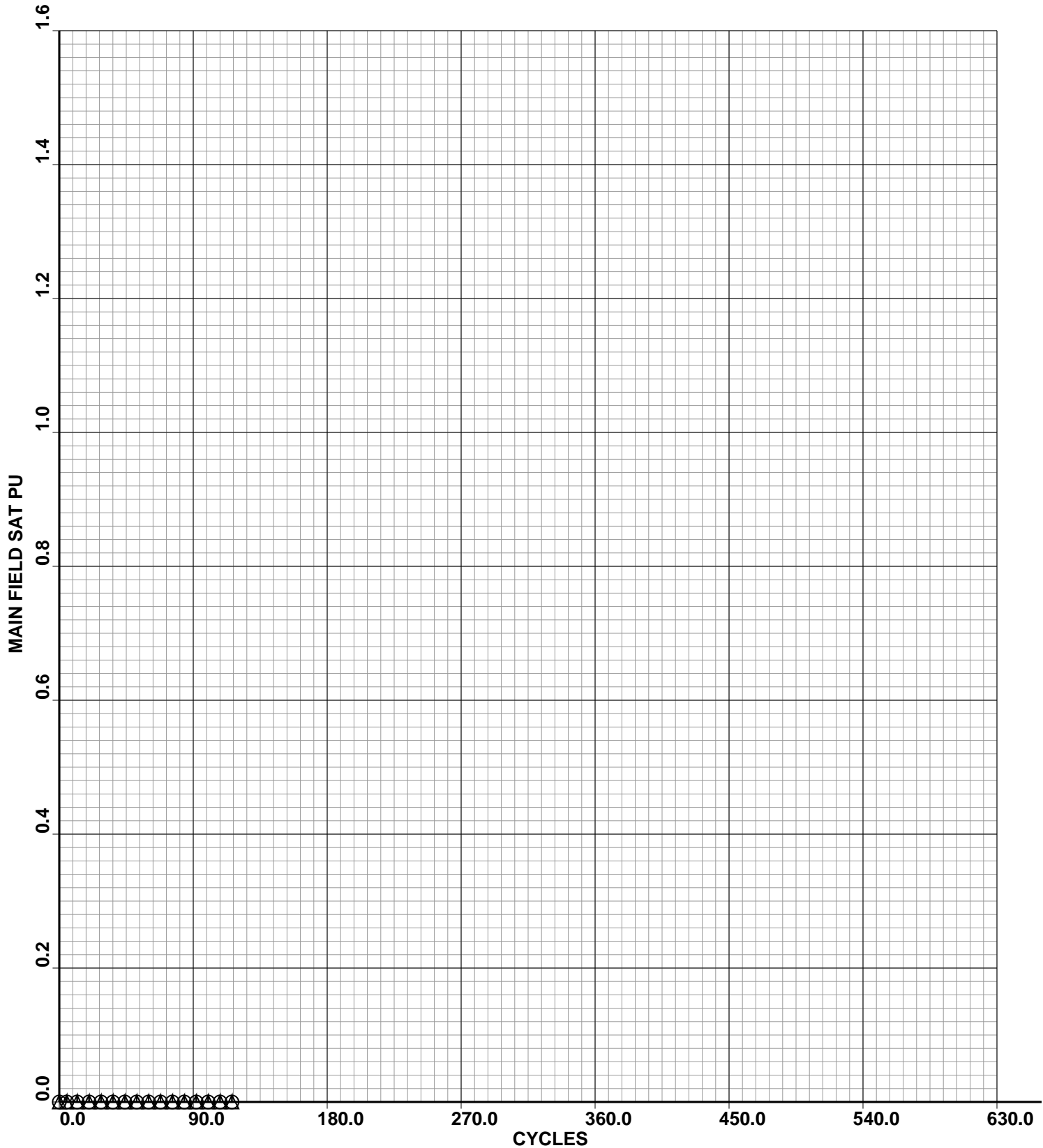
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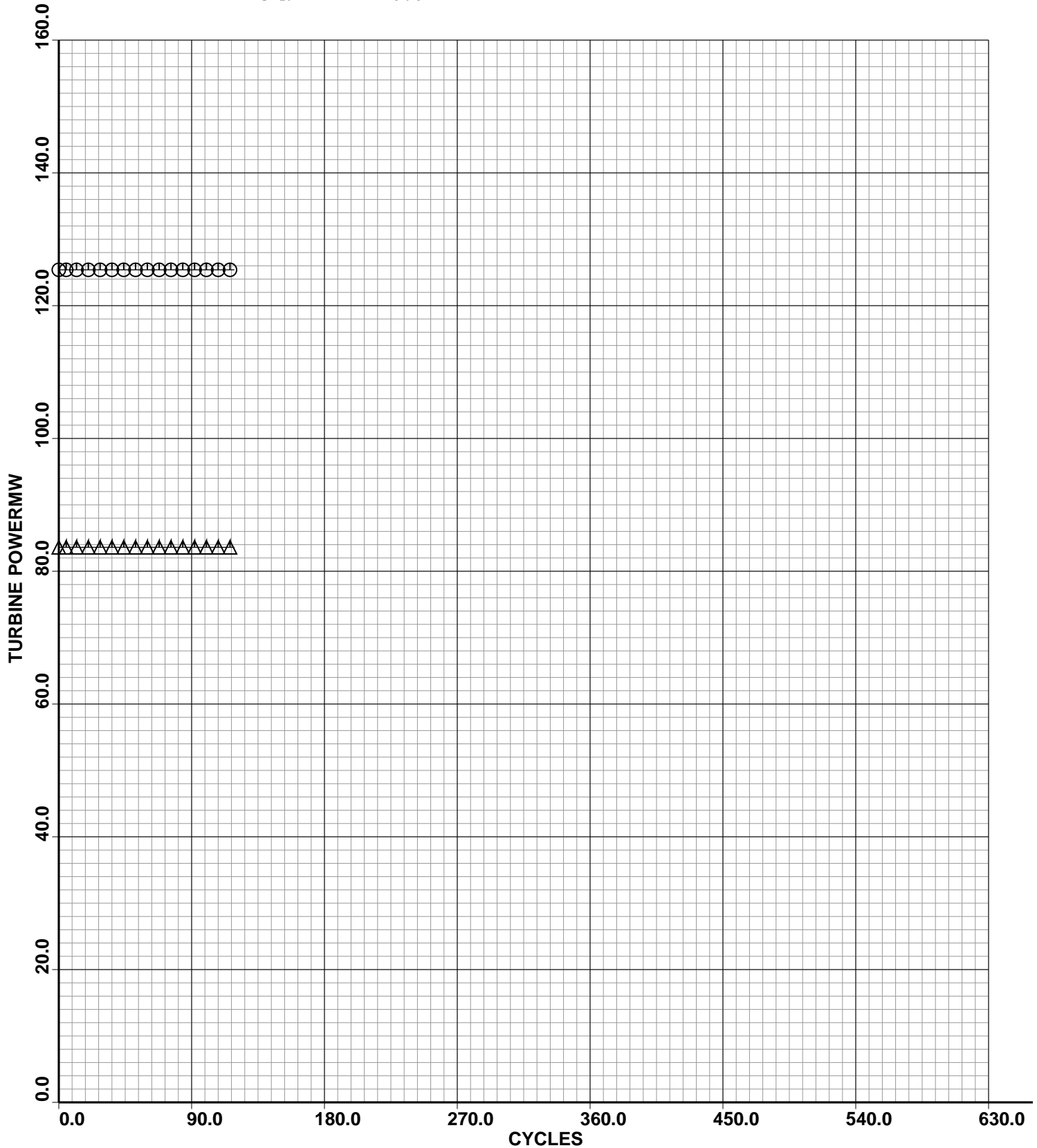
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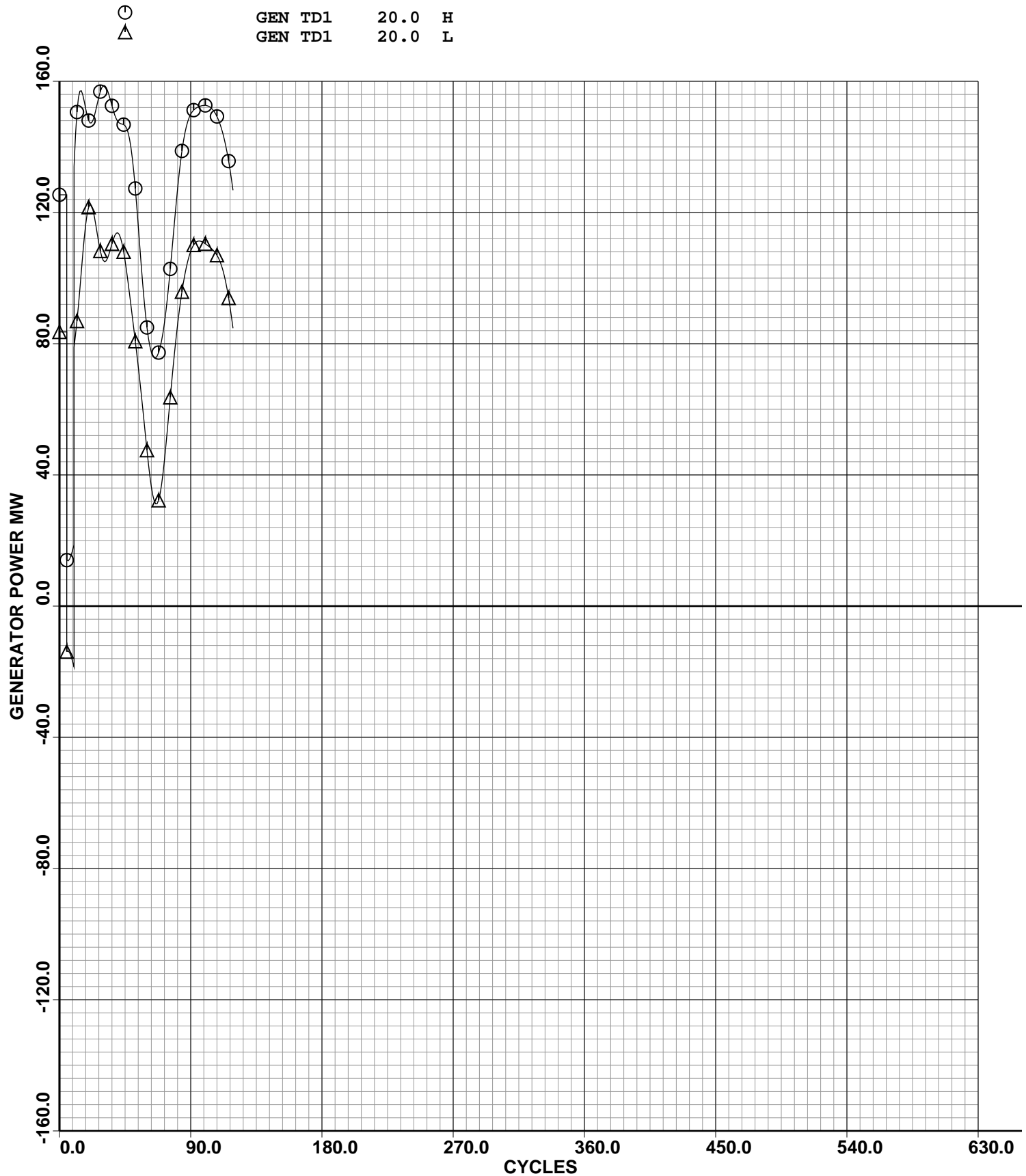


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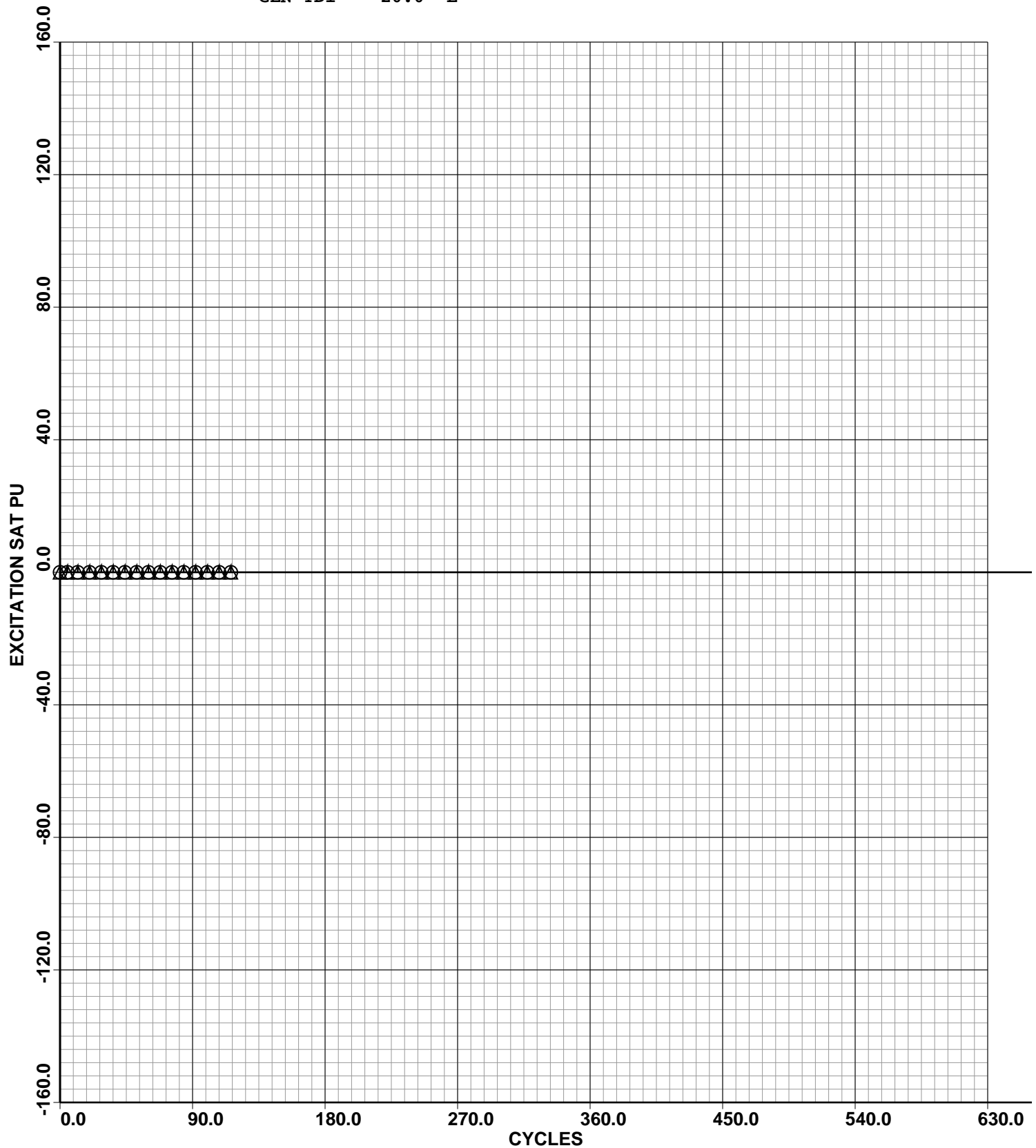


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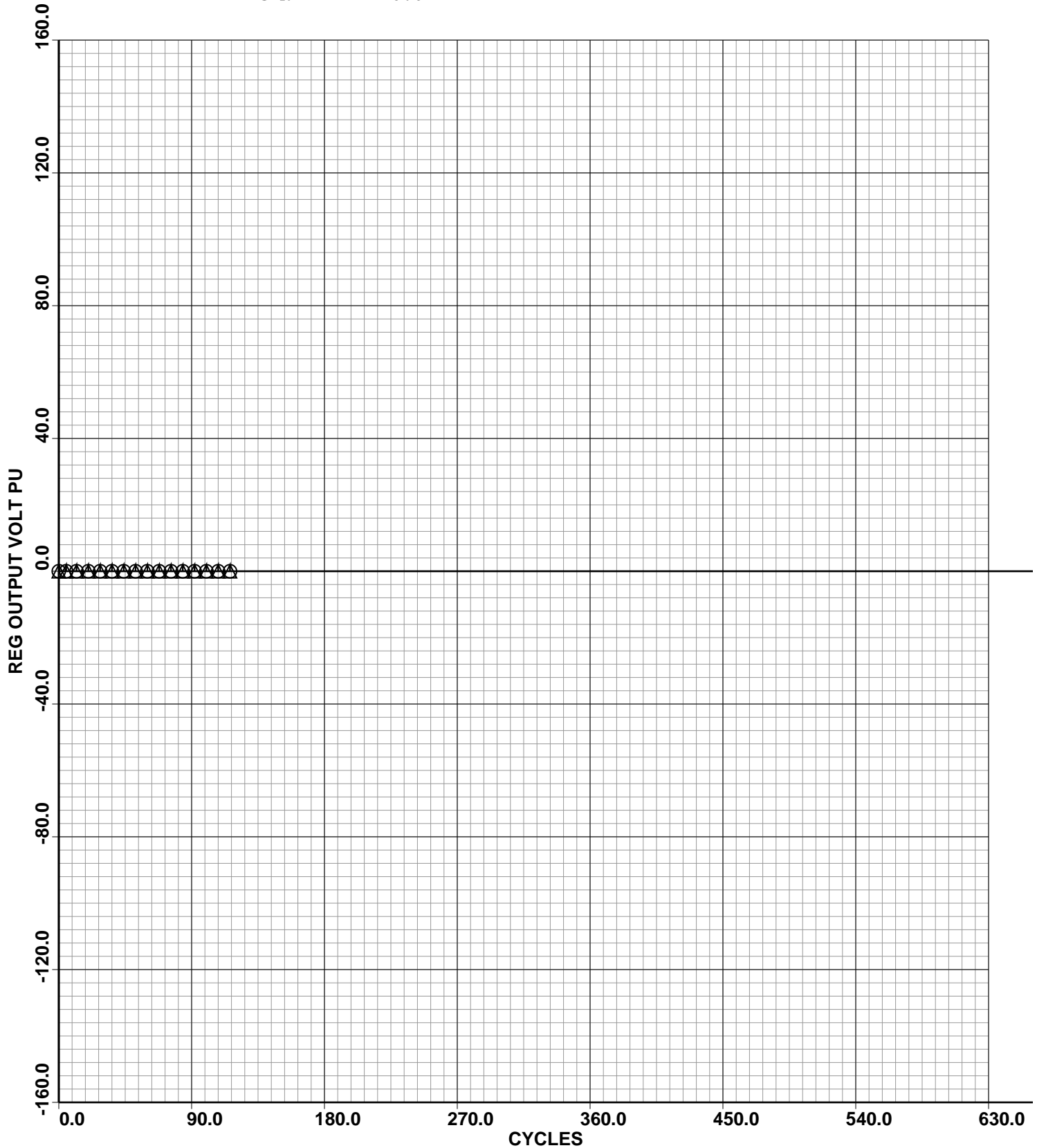
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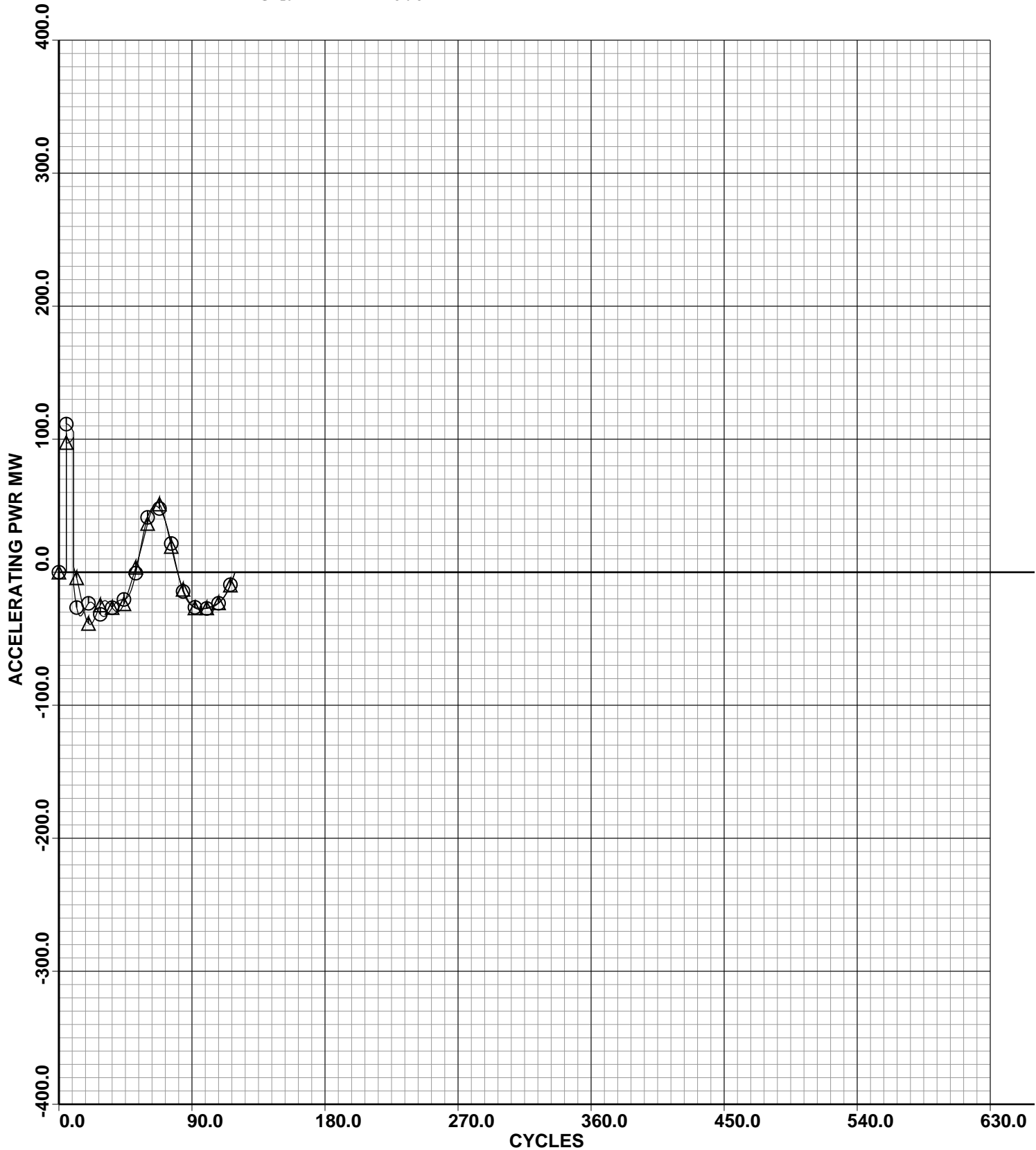
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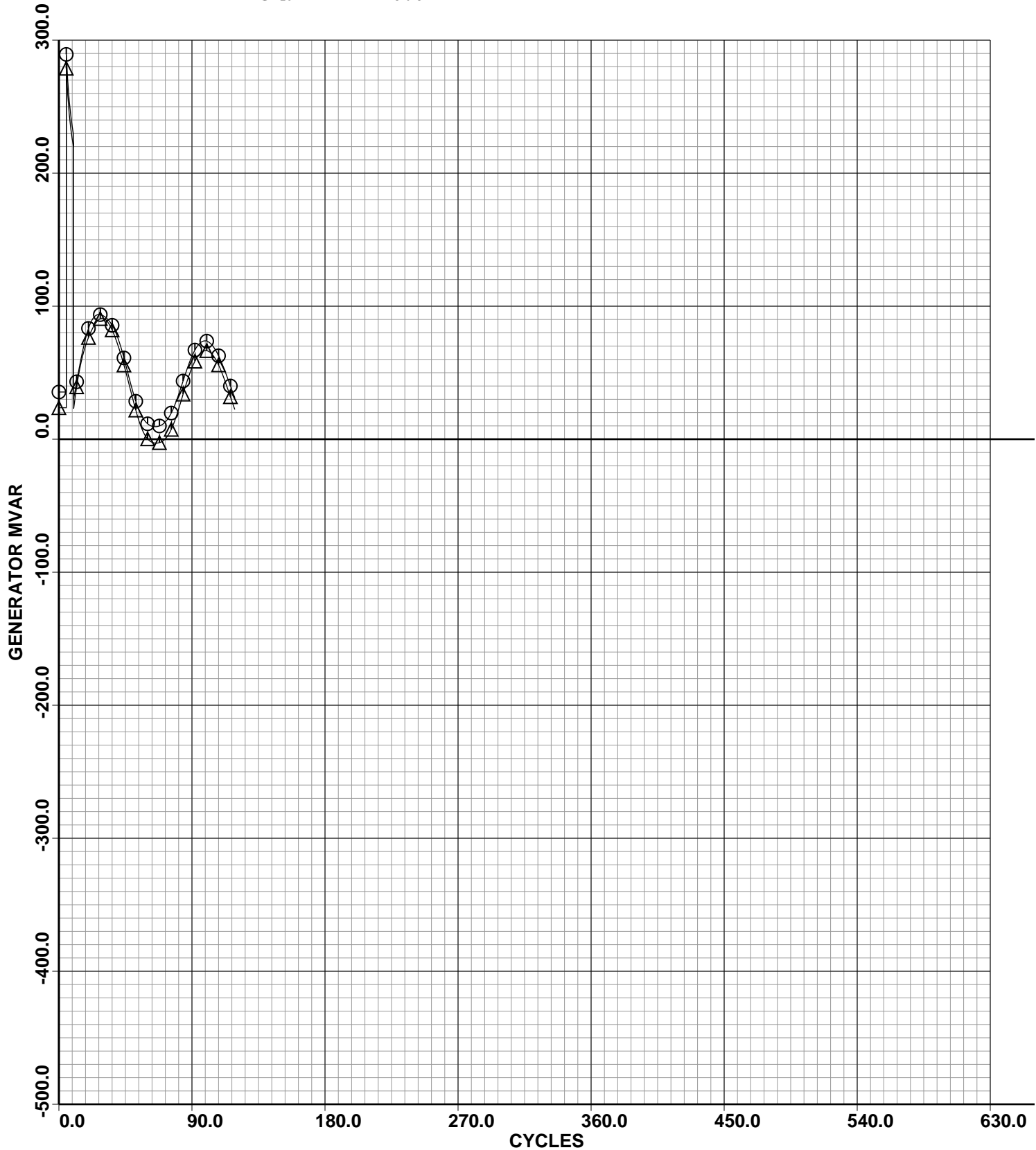
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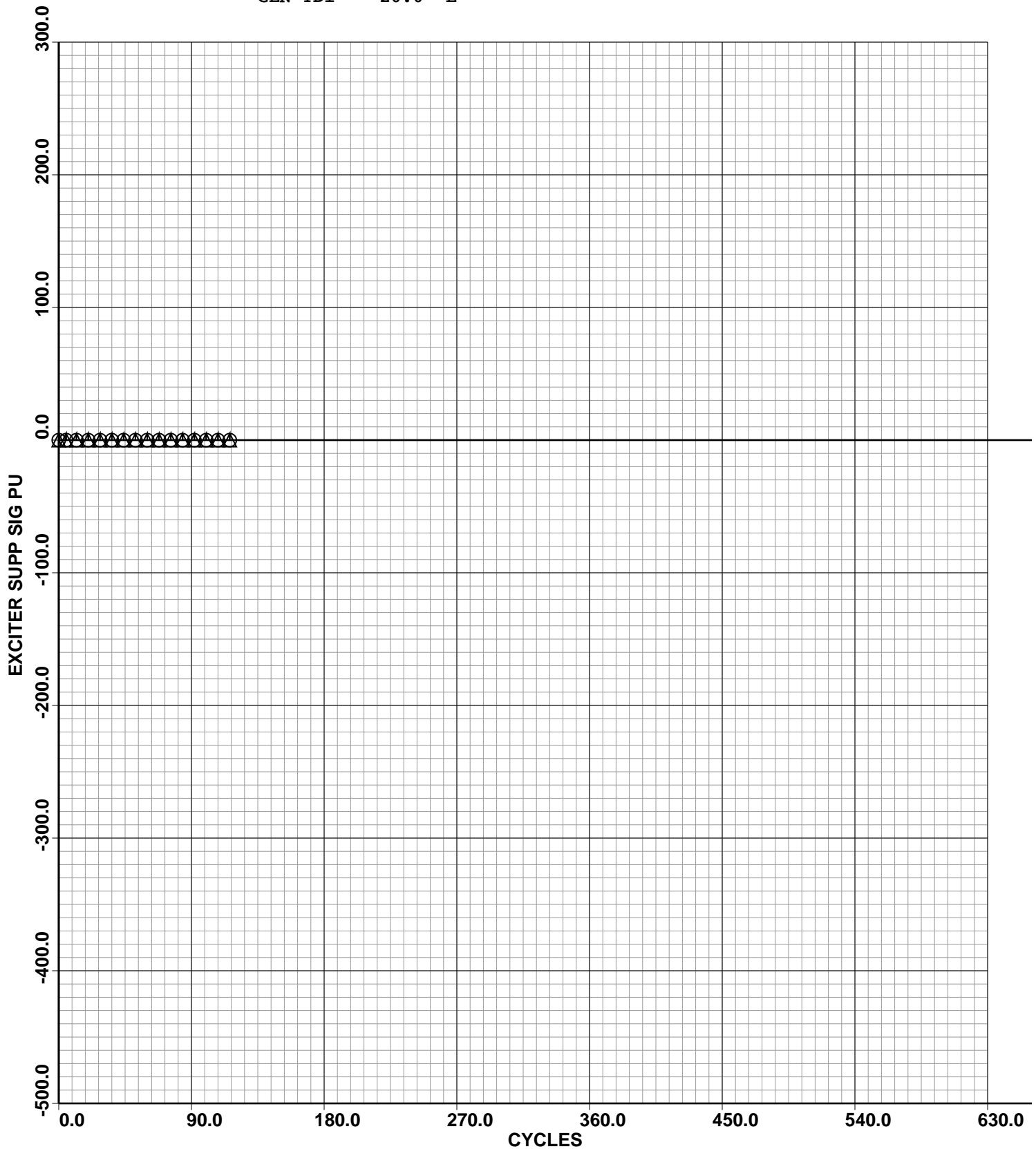
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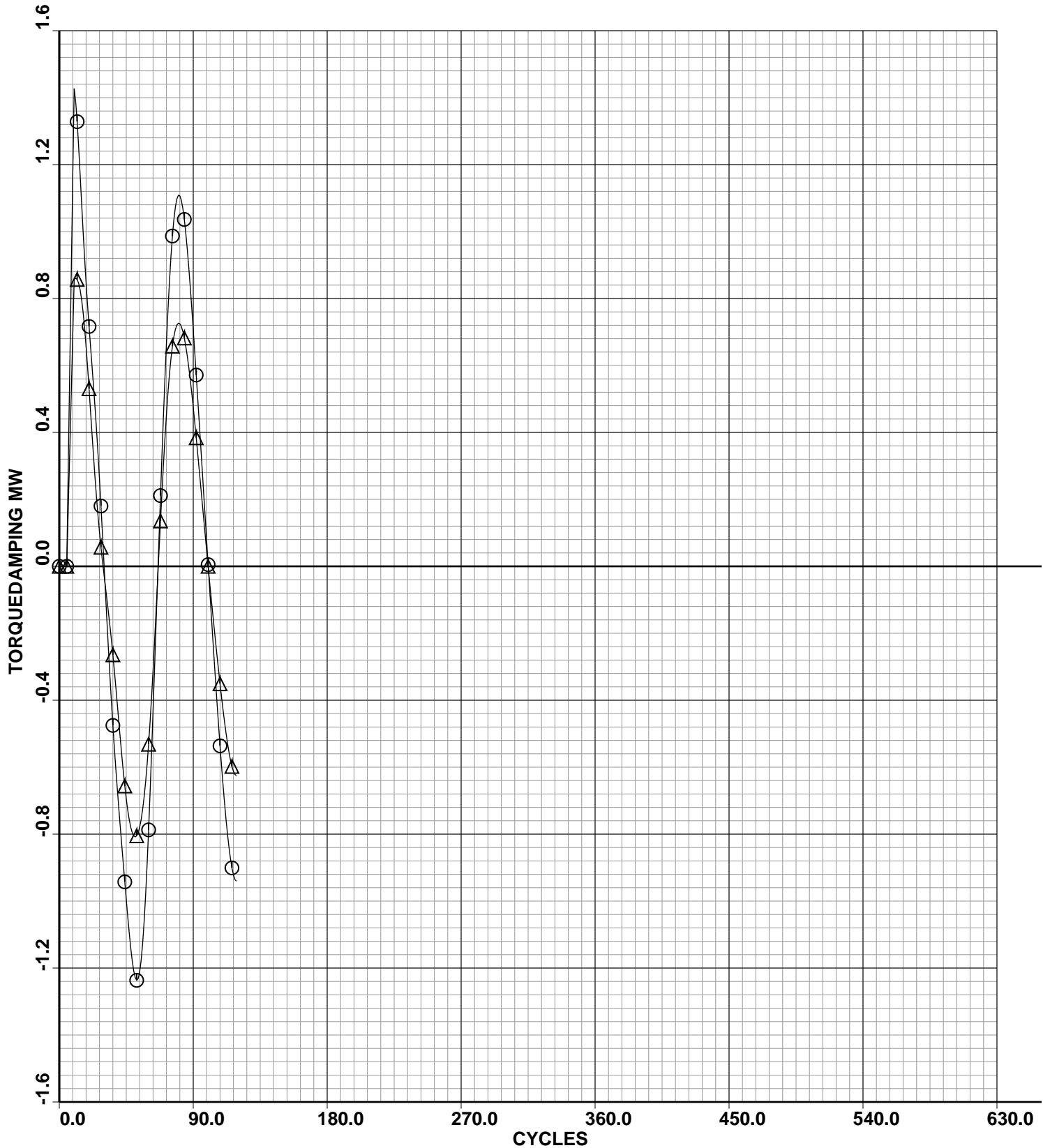
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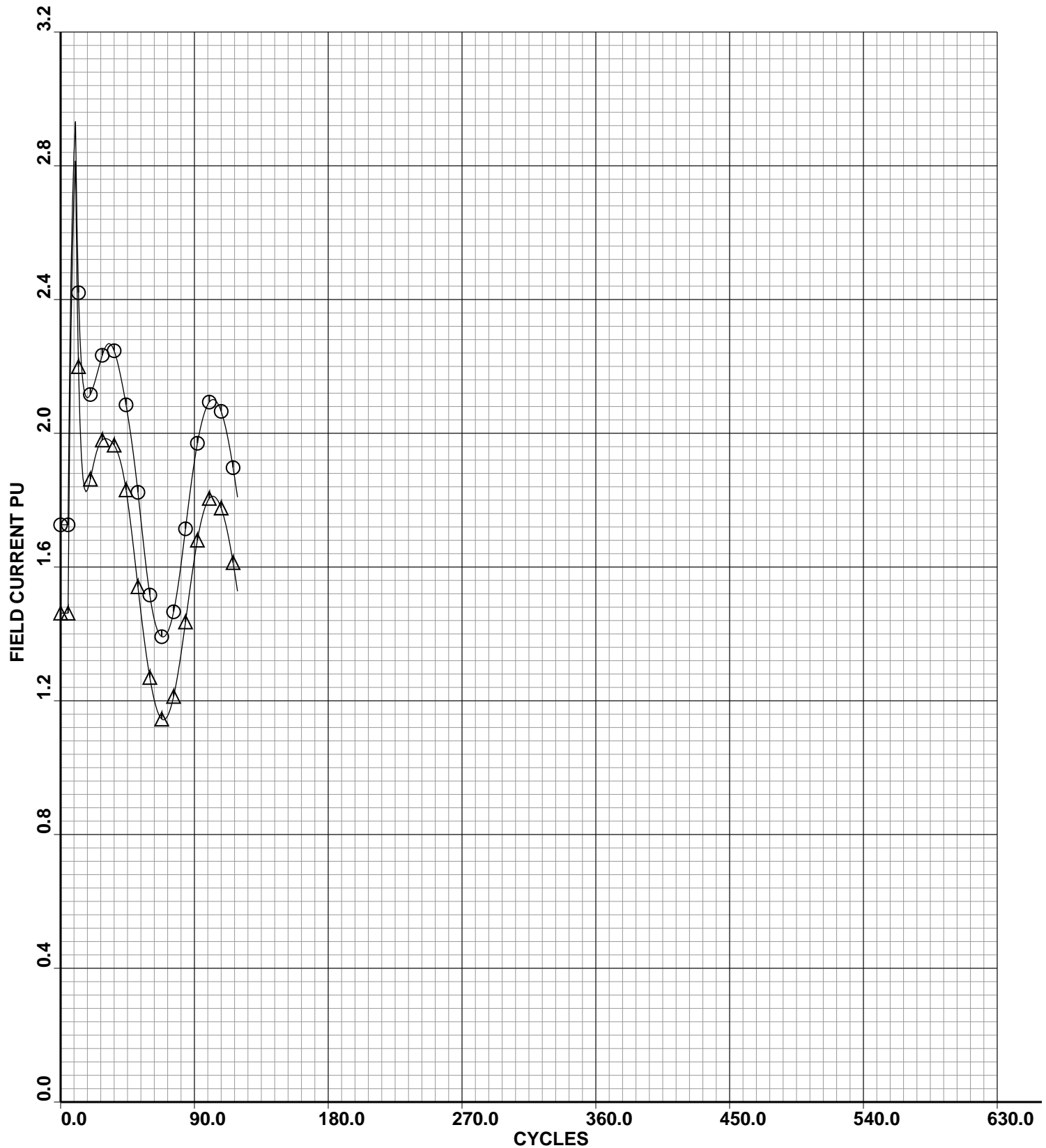
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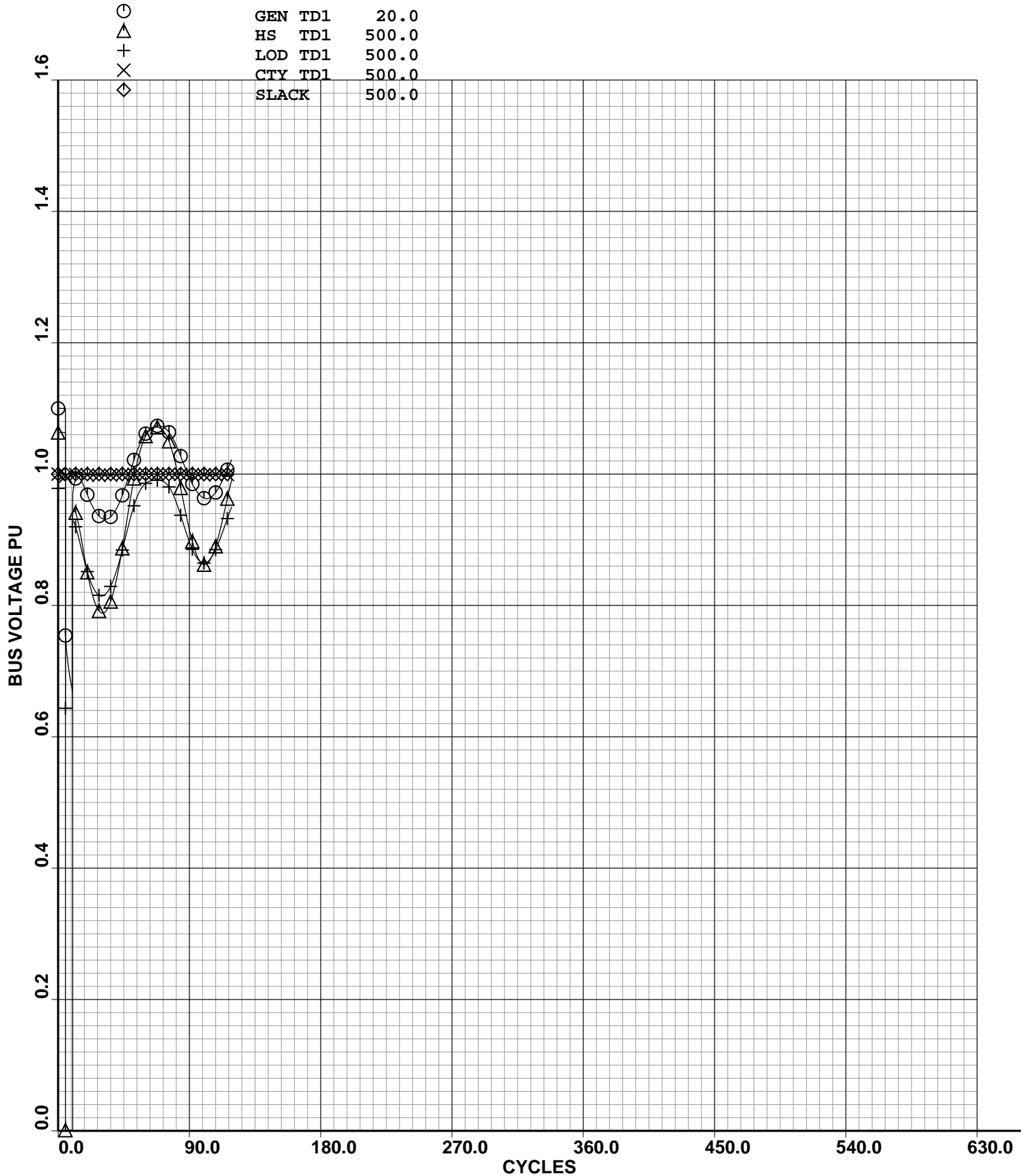


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