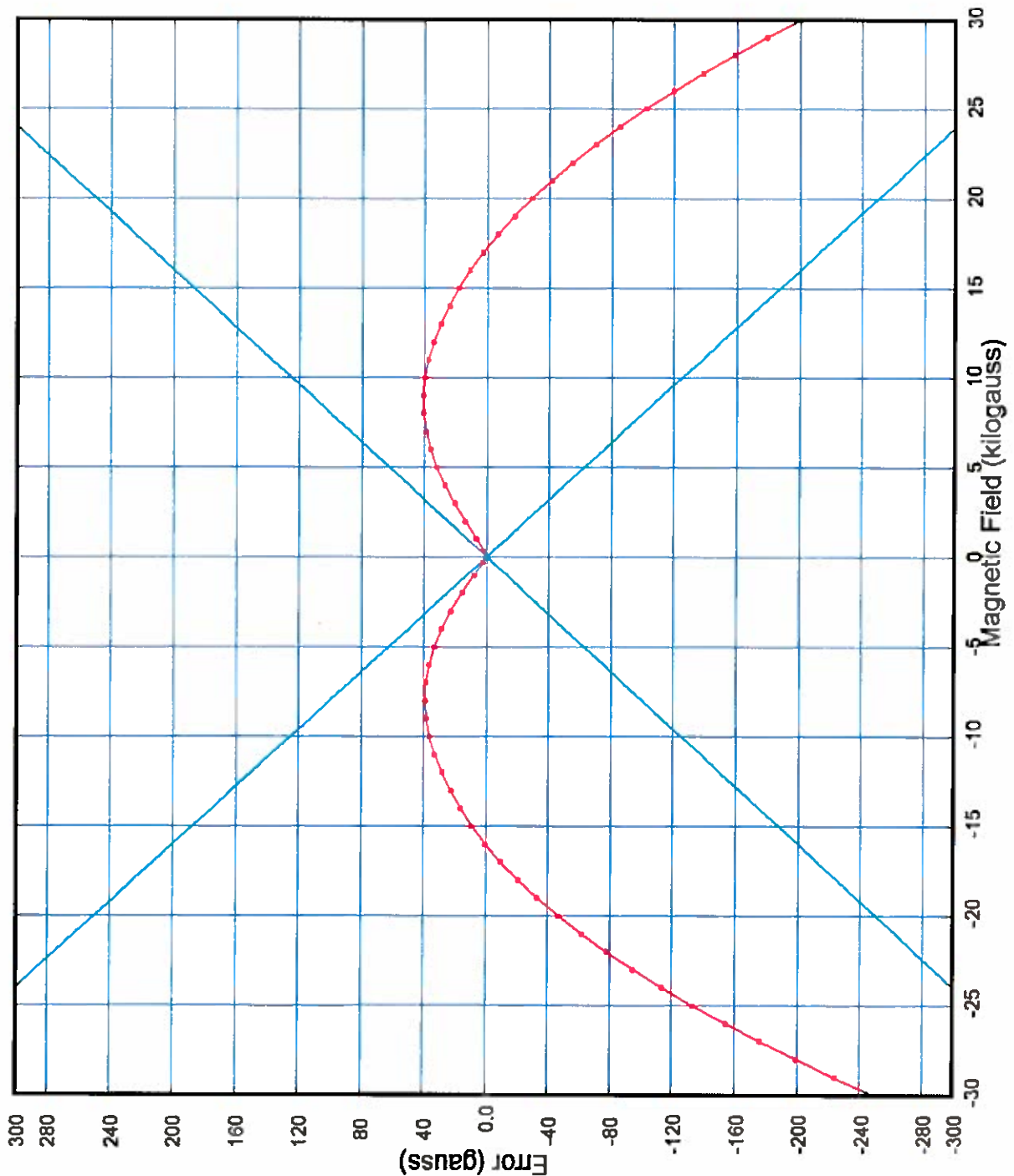


HB

HALL GENERATOR ERROR PLOT

Sensor Model: XHGT-9060
Sensor Type: InAs Hall Generator
Mean Loaded Sensitivity: 8.150mV/kG
Zero Field Offset Voltage: -10.5 μ V

Serial Number: 55587
Linearizing Resistor: OPEN CIRCUIT
 $I_c = 100\text{mA}$ and $T = 298\text{K}$



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Field (kG)	Output (mV)	Error (gauss)
-30.00	-242.46807	-249.316
-29.00	-234.52644	-223.750
-28.00	-226.57533	-199.346
-27.00	-218.61470	-176.111
-26.00	-210.64448	-154.052
-25.00	-202.66462	-133.176
-24.00	-194.67507	-113.488
-23.00	-186.67579	-94.996
-22.00	-178.66671	-77.705
-21.00	-170.64778	-61.623
-20.00	-162.61895	-46.755
-19.00	-154.58023	-33.101
-18.00	-146.53184	-20.633
-17.00	-138.47391	-9.336
-16.00	-130.40514	0.631
-15.00	-122.32456	9.149
-14.00	-114.23336	16.363
-13.00	-106.13389	22.563
-12.00	-98.02902	28.101
-11.00	-89.91899	33.005
-10.00	-81.79716	36.461
-9.00	-73.66394	38.520
-8.00	-65.52135	39.430
-7.00	-57.36691	38.885
-6.00	-49.20011	36.823
-5.00	-41.02262	33.450
-4.00	-32.83614	28.975
-3.00	-24.63859	23.140
-2.00	-16.42888	15.813
-1.00	-8.21704	8.226
-0.30	-2.46455	2.399
-0.05	-0.41031	0.344
0.00	0.00000	0.000
0.05	0.41003	0.310
0.30	2.45780	1.570
1.00	8.20411	6.639
2.00	16.41366	13.946
3.00	24.61960	20.810
4.00	32.81958	26.943
5.00	41.01150	32.086
6.00	49.19484	36.177
7.00	57.36891	39.130
8.00	65.53261	40.811
9.00	73.68468	41.064
10.00	81.82607	40.009
11.00	89.95790	37.779
12.00	98.07897	34.229
13.00	106.19195	29.687
14.00	114.29905	24.423
15.00	122.39977	18.377
16.00	130.49195	11.282
17.00	138.57351	2.884
18.00	146.64647	-6.568
19.00	154.71121	-17.029
20.00	162.76749	-28.529
21.00	170.81514	-41.088
22.00	178.85417	-54.703
23.00	186.88465	-69.368
24.00	194.90663	-85.076
25.00	202.92019	-101.818
26.00	210.92536	-119.587
27.00	218.92222	-138.377
28.00	226.91083	-158.180
29.00	234.89124	-178.989
30.00	242.86352	-200.796

Notes:

* The error given is gauss MAGNITUDE (see enclosed explanation).



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