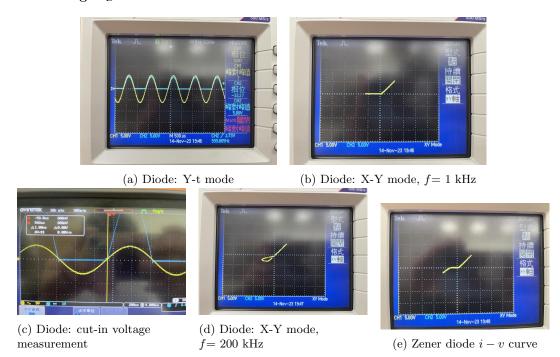
Diode Circuits Report

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1 Diode Circuits

cut-in-voltage v_D = 0.6 V



2 Voltage regulator

$VR(k\Omega)$	V_o	$I_1 \text{ (mA)}$	I_Z (mA)	$I_2 \text{ (mA)}$
2	1.507	0.754	0.001	0.754
20	3.941	0.510	0.304	0.204
400	4.096	0.494	0.485	0.010
600	4.098	0.494	0.487	0.007
800	4.098	0.494	0.489	0.006
1000	4.098	0.494	0.475	0.002

Table 1: voltage regulator raw experimental data

Conclusion: output voltage V_o is very stable with large load resistance.