

Rectifier Tables: Monophasic Controlled

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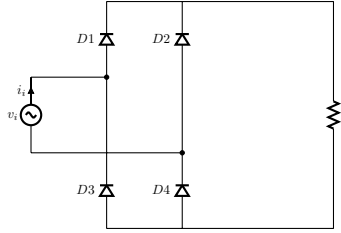
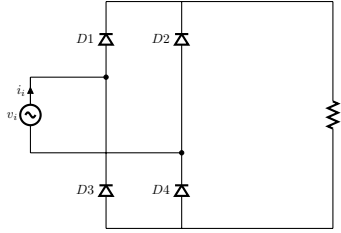
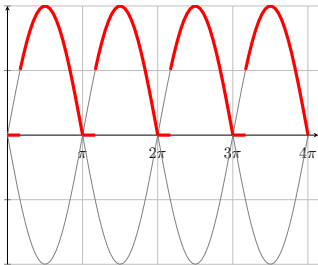
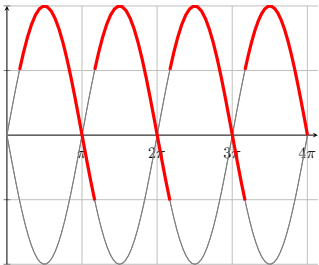
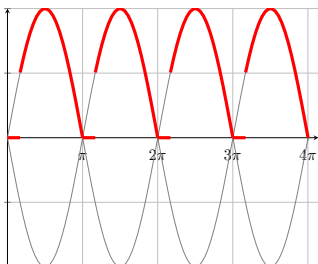
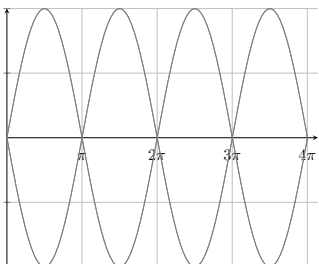
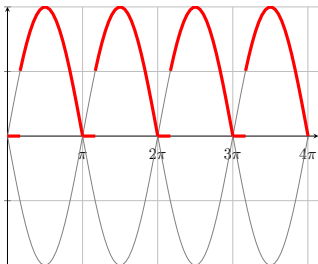
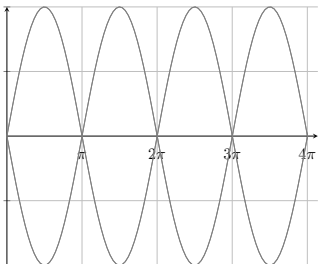
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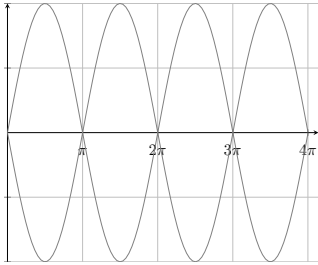
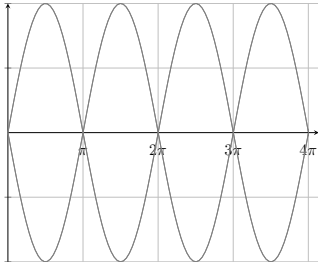
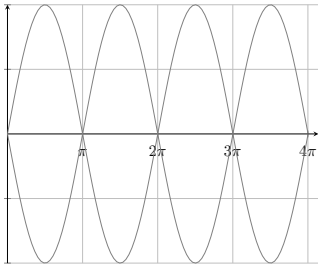
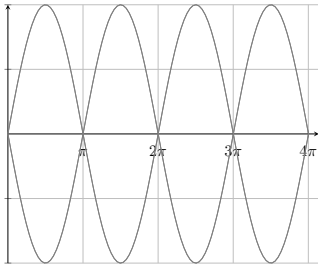
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1 Rectifier Tables

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1.1 Monophasic Controlled Full Wave Rectifier, R vs RL load

What	Controlled FWR R load	Controlled FWR RL load
Circuit Diagram		
v_o		
$\bar{v}_o(\alpha)$	$\bar{v}_o = \frac{V_i}{\pi} (\cos(\alpha) + 1)$	$\bar{v}_o = \frac{2V_i}{\pi} \cos(\alpha)$
v_R		
Thyristor table		
$i_o(t)$		
\bar{i}_o		

$i_i(t)$		
$v_{T1}(t)$		
Power Factor		