

Table 1: Things Which Do/Don't Work				
	Haar Wavelets	db10 Wavelets	Splines	Differences
Centralised	Y	Y	Y	Y
Distributed	Y	N	Y	Y
Noise	N(0,1)	N(0,1)	N(0,1)	N(0,1)
Regulariser	$\lambda x _1$	$\lambda x _1$	$\lambda x _1$	$\lambda x _1$
Lambda	$\sqrt{2\log(M)} / \sqrt{40\log(M)}$	$\sqrt{2\log(M)}$	$\sqrt{2\log(M)} \quad 2.5\sqrt{2\log(M)}$	$\sqrt{2\log(M)} / 10\sqrt{2\log(M)}$
Step Size	0.5	$\frac{1}{\max eig(A^T A) }$	$\frac{1}{\max eig(A^T A) }$	$\frac{1}{\max eig(A^T A) }$

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References