

CG model with $d = 100$ and $n = m = 10^4$						
Statistic	$\mu$ -deformation			t (s)	$\Sigma_{ii}$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.02946^{+0.0088}_{-0.011}$	$0.03559^{+0.0081}_{-0.0088}$	28651		$0.01484^{+0.0044}_{-0.0056}$	$0.01822^{+0.0039}_{-0.0044}$
Statistic	$\Sigma_{i \neq j}$ -deformation			t (s)	pow <sub>+</sub> -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.01918^{+0.0054}_{-0.0063}$	$0.02375^{+0.0047}_{-0.0049}$	30279		$0.00303^{+0.00095}_{-0.0012}$	$0.00369^{+0.00089}_{-0.00094}$
Statistic	pow <sub>-</sub> -deformation			t (s)	$\mathcal{N}$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.00338^{+0.00091}_{-0.0011}$	$0.00405^{+0.00083}_{-0.0009}$	35504		$0.31377^{+0.052}_{-0.088}$	$0.36073^{+0.039}_{-0.066}$
Statistic	$\mathcal{U}$ -deformation			t (s)	Timing	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$t^{\text{null}}$ (s)	
$t_{NPLM}$	$0.53487^{+0.1}_{-0.16}$	$0.62022^{+0.08}_{-0.11}$	23339		51164	