Simulation	Signal Tensor Θ	Rank	Sign Rank	Global α	CDF of Tensor Entries	Noise
1	$\mathcal{C} imes oldsymbol{M}_1 imes oldsymbol{M}_2 imes oldsymbol{M}_3$	3^3	2	∞		Uniform $[-0.3, 0.3]$
2	$ m{a}\otimes m{1}\otimes m{1}-m{1}\otimes m{a}\otimes m{1} $	d	2	1		Normal $\mathcal{N}(0, 0.15)$
3	$\log(0.5 + Z_{\max})$	$\geq d$	2	1		Uniform $[-0.1, 0.1]$
4	$2.5 - \exp(\mathcal{Z}_{\min}^{1/3})$	$\geq d$	2	1		Normal $\mathcal{N}(0, 0.15)$