

	BA4(LT)	BA4(IC)	BA8(LT)	BA8(IC)	WS(LT)	WS(IC)
Node	1000	1000	1000	1000	1000	1000
Batch size	100	100	100	100	100	100
Learning rate	0.01	0.01	0.01	0.01	0.01	0.01
Iteration	1500	1500	1500	1500	1500	1500
Training Sample size	50000	50000	50000	50000	50000	50000
Hidden layer neurons	30000	30000	30000	30000	30000	30000
θ	0.6	0.3	0.7	0.9	0.5	0.3
Sample space	$7.16 \times e^{-29}$	$7.16 \times e^{-29}$	$7.16 \times e^{-29}$	$7.16 \times e^{-29}$	$7.16 \times e^{-29}$	$7.16 \times e^{-29}$

Table 1 : Network model

	soc- twitter- copen (LT)	soc- twitter- copen (IC)	rt-wiki- vote (LT)	rt-wiki- vote (IC)	bcpwr06 (LT)	bcpwr06 (IC)
Node	761	761	889	889	1454	1454
Batch size	100	100	100	100	100	100
Learning rate	0.01	0.01	0.01	0.01	0.01	0.01
Iteration	1500	1500	1500	1500	2000	2000
Training Sample size	50000	50000	50000	50000	100000	100000
Hidden layer neurons	30000	30000	30000	30000	50000	50000
θ	0.7	0.4	0.9	0.3	0.7	0.3
Sample space	$4.43 \times e^{-27}$	$4.43 \times e^{-27}$	$4.23 \times e^{-28}$	$4.23 \times e^{-28}$	$5.07 \times e^{-31}$	$5.07 \times e^{-31}$

Table 2 : Three real-world network data sets

	Real-data (1)	Real-data (2)
Node	1000	1000
Batch size	100	100
Learning rate	0.01	0.01
Iteration	1000	1000
Training Sample size	29265	34870
Hidden layer neurons	30000	30000
θ	0.9	0.9
Sample space	$4.19 \times e^{-28}$	$4.99 \times e^{-29}$

Table 3 : Real dataset