



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

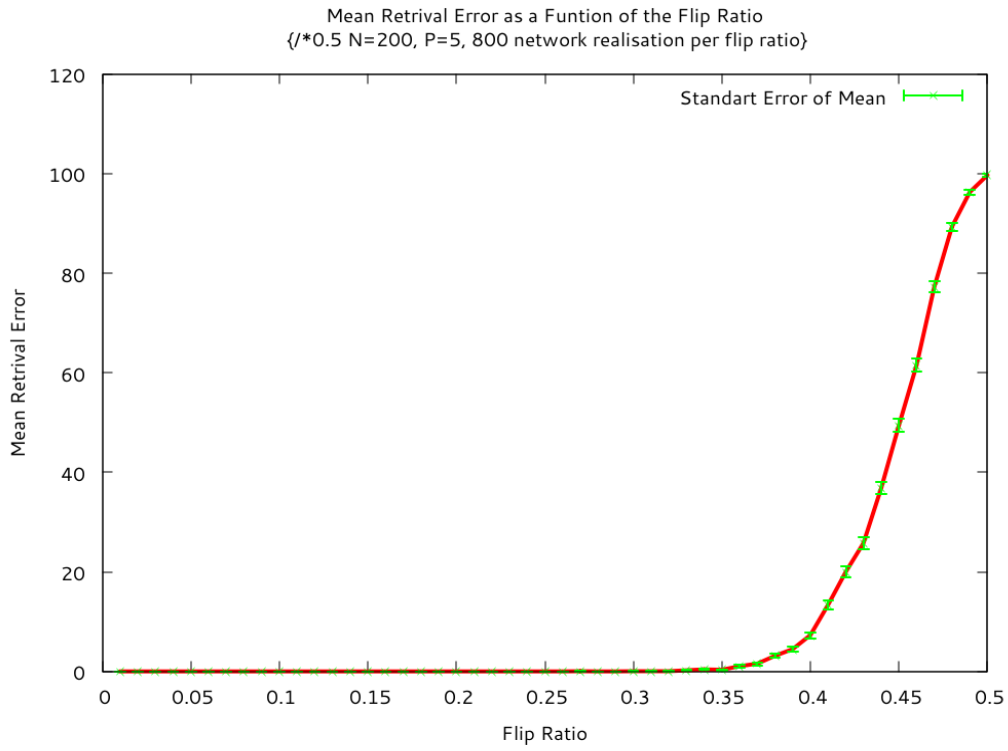
BIOLOGICAL MODELING OF NEURAL NETWORKS

Hopfield Model

STORAGE OF SEQUENCES OF PATTERNS IN ASYMETRIC
HOPFIELD NETWORKS WITH DELAYED SYNAPSES

Miryam CHAABOUNI
Joseph LEMAITRE

Figure 1: $g(r)$ for 10K steps



1 Exercise 1

1.1 Exercise 1.1

1.2 Exercise 1.2

N	100	250	500
P_{max}	17	39	
α_{max}	0.17	0.156	—
α_{th}	—	—	—

2 Exercise 2

2.1 Exercise 2.1

2.2 Exercice 2.2