Table of contents

I Foundations of stochastic approximation (H.Walk)		
$\S 1$	Almost sure convergence of stochastic approximation procedures	2
$\S 2$	Recursive methods for linear problems	17
$\S 3$	Stochastic optimization under stochastic constraints	22
$\S 4$	A learning model; recursive density estimation	27
$\S 5$	Invariance principles in stochastic approximation	30
$\S 6$	On the theory of large deviations	43
	References for Part I	45
	Applicational aspects of stochastic approximation (G. Pflu	-,
$\S 7$	Markovian stochastic optimization and stochastic approximation	
0.0	procedures	53
	Asymptotic distributions	71
	Stopping times	79
§10	Applications of stochastic approximation methods	80
	References for Part II	90
Ш	Applications to adaptation algorithms (L. Ljung)	
$\S 11$	Adaptation and tracking	95
$\S12$	Algorithm development	96
$\S13$	Asymptotic Properties in the decreasing gain case	04
$\S 14$	Estimation of the tracking ability of the algorithms	05
	References for Part III	13