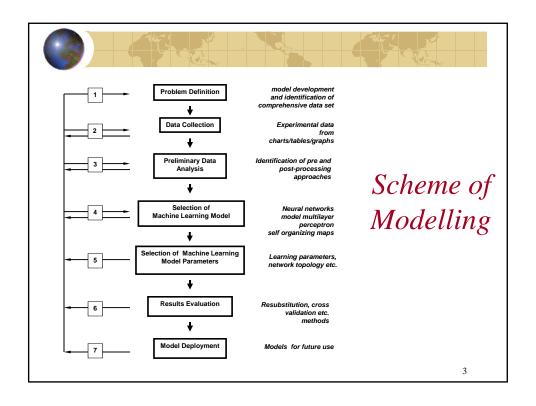
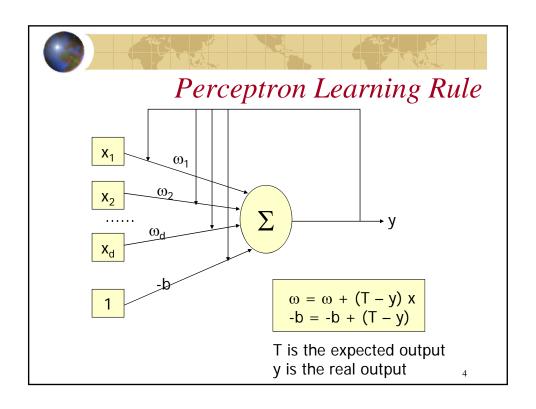


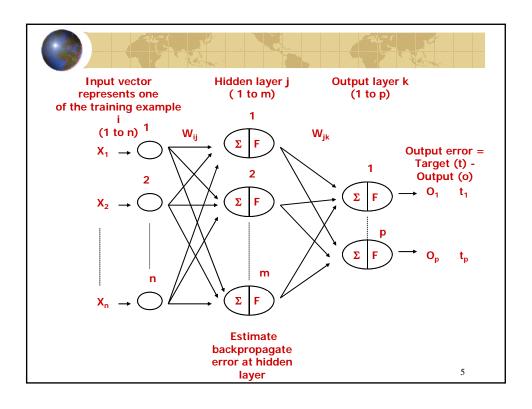


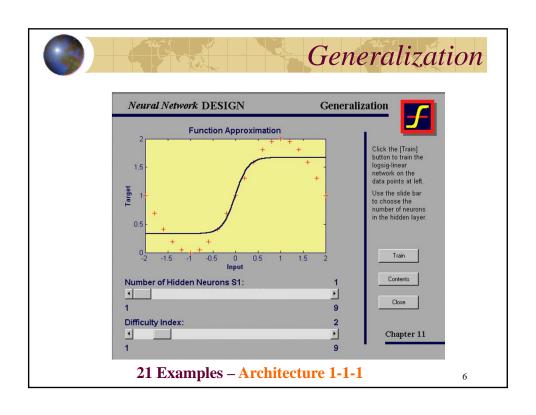
## Recap and Ahead

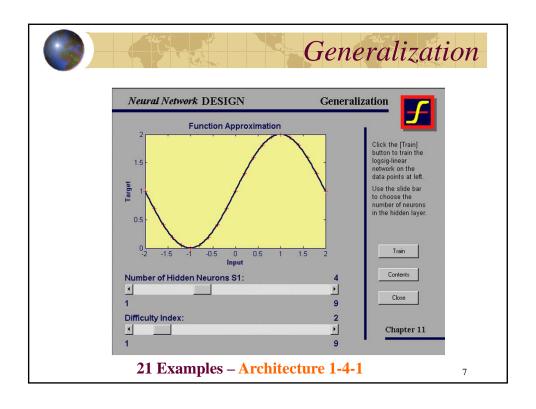
- Scheme of Neural Networks Modelling
- Perceptron Model
- Multilayer Perceptron

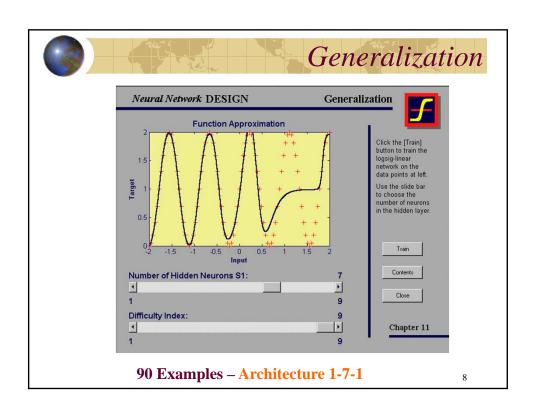


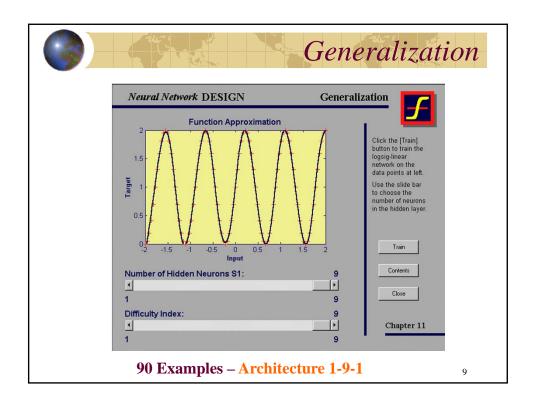


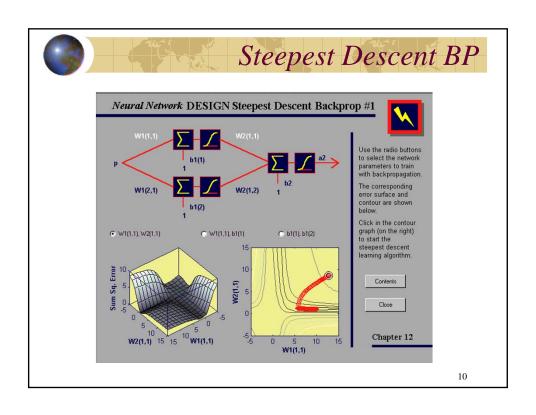


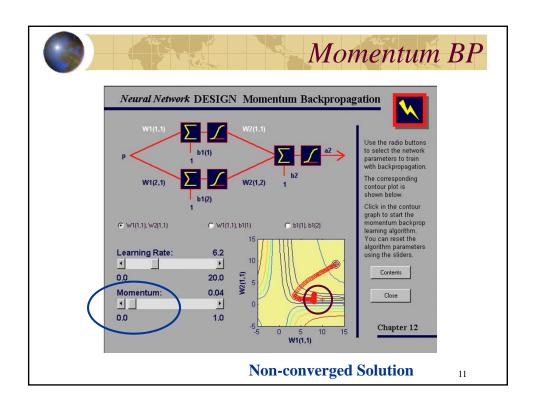


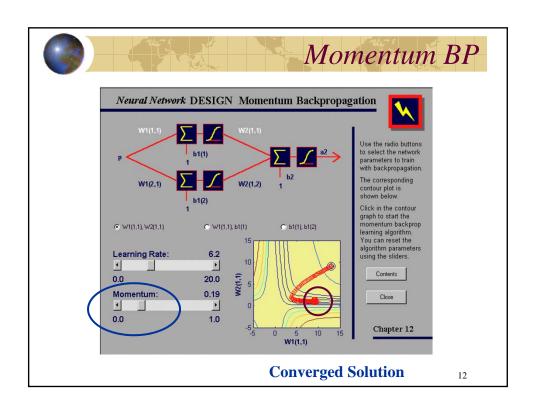


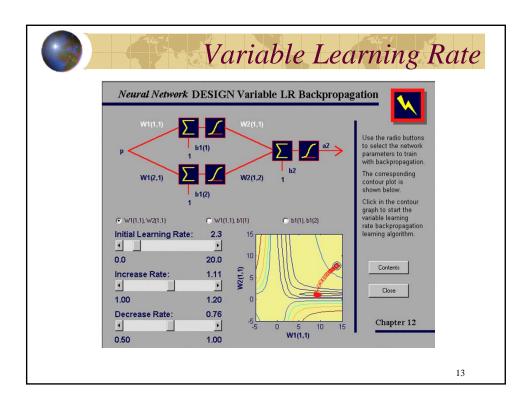


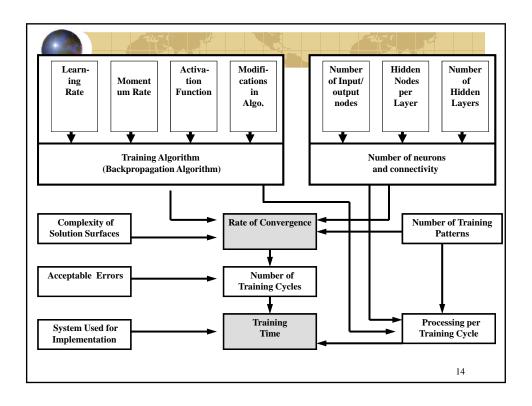
















## Home Work

## **Perceptron and Multilayer Perceptron**

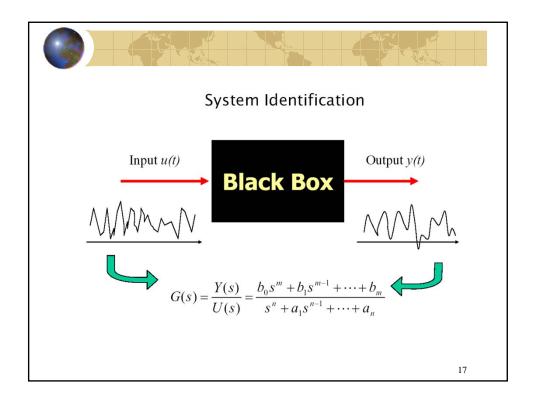
Examples in MATLAB + Neural Networks Tool Box Environment

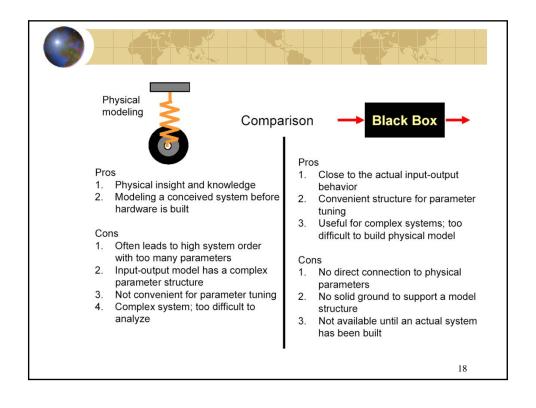
15



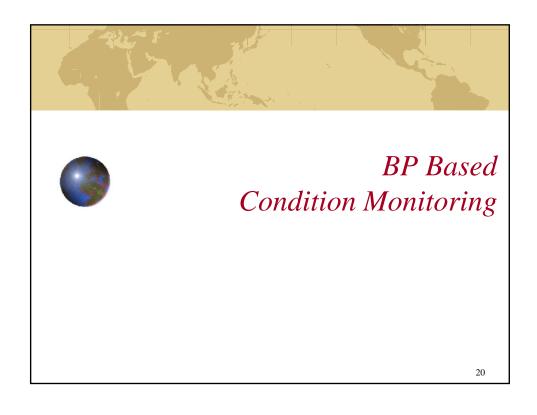


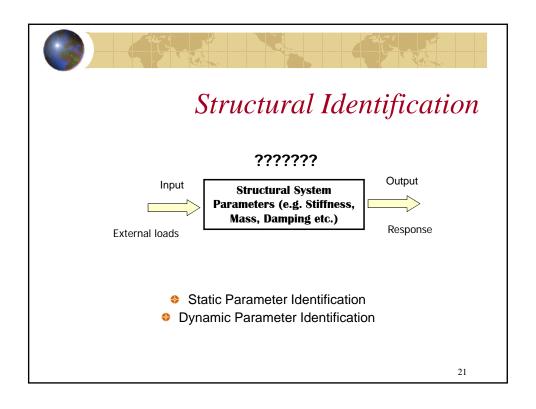
System Identification



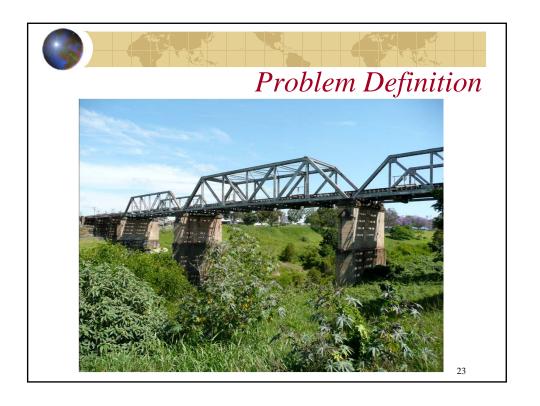


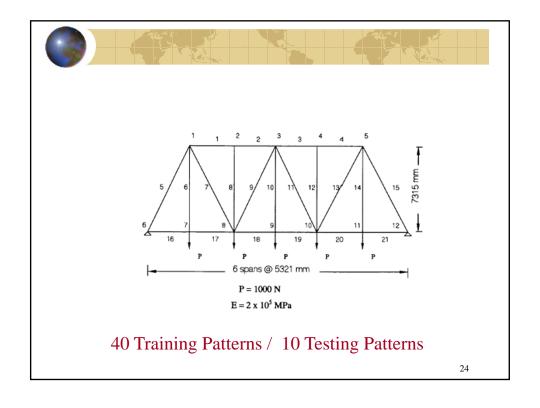


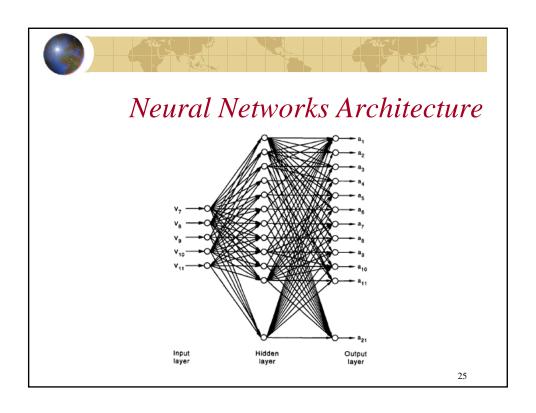


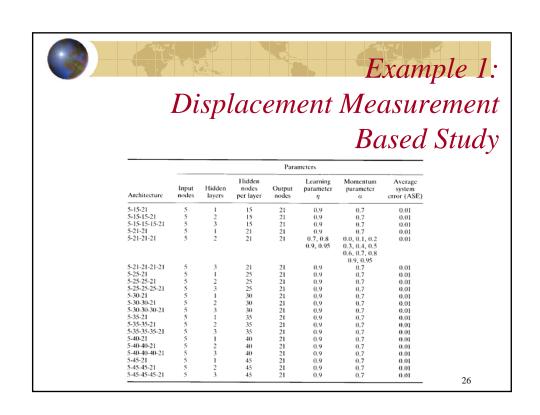






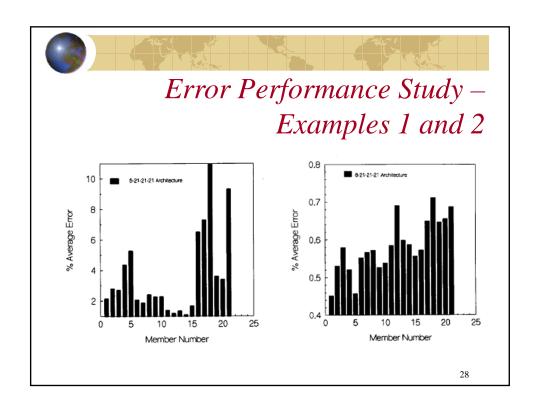








Architecture	Parameters						
	Input	Hidden layers	Hidden nodes per layer	Output nodes	Learning parameter $\eta$	Momentum parameter α	Average system error (ASE)
8-21-21-21	8	2	21	21	0.9	0.7	0.01





Vibration Signature Analysis

