

Group members:

	Applications	Sections	Major items	Examples	Title
Vectors	Audio	Vectors	Arithmetic	Audio synthesis	
	Monochrome and color images	Linear functions	Regression model	Marketing research	
	Vector over Galois Field (2)	Norms and distance	Application	Nearest neighbor	
	Measuring similarity	Clustering	k -means	clustering	
	What can we represent with vectors?	Linear independence	Orthonormal vectors	Mathematics, (Minimum spanning forest)	
Matrices	Image (blurring, transformations)	Matrices	Arithmetic	Google PageRank	
	Ballistics targeting	Matrix examples	Convolution	Image synthesis	
	The Hamming Code	Linear equations	Linear function models	Leontief input-output model	
	Graphs, counting paths	Linear dynamical systems	Application	Markov model, Population dynamics...	

Note that this table only provides references to related content which you may not find in the book. But don't ask me details. So, please read the textbook carefully and give your own titles. Have a good trip ...