18-799F Algebraic Signal Processing Theory

Spring 2007 Assignment 5

Due Date: Feb. 28th 2:30pm (at the beginning of class)

- 1. (50 pts) Read chapters A and B in section II of the Algebraic Theory of Signal Processing paper (pp.8-14) at least twice on **two different days** and understand as much as possible.
- 2. (50 pts) Consider the case of infinite discrete time signal processing. Fill in the second column of table II (p.12), i.e. determine the exact form of all abstract (coordinate-free) entities in this table, such as h, s, A, M, Δ, W , etc.