

Running Lecture Outline: [Course Code]

[Full Name]

Academic Year 2019-2020

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1 Linear Dependence an Linear independence

Definition 1. *A subset S of a*

1.1 Example 4

In F^n , let e_j denoe the vector whose j th coordinate is 1 andwhose other coordinates are 0. Prove that the set $\{e_1, e_2, \dots, e_n\}$ is linearly independent.

Proof.

□