

4 Lecture - Spanning sets and Linear Independence

- relation between solutions of linear system and linear combinations,
- span, spanning set,
- linearly dependent sets - two definitions,
- linearly independent sets,
- trivial and non-trivial linear combinations,
- two definitions of linearly dependent sets are equivalent,
- linear dependence for column vectors (Theorem 2.6.)
- linear dependence for row vectors (Theorem 2.7.)
- more vectors than components means linear dependency (Theorem 2.8)