

LINEAR ALGEBRA PROBLEMS

1. LINEAR EQUATIONS

- Solve the Ex 1.2-14 and interpret the solution space geometrically
- Find the polynomial of degree 2, passing through the points $(0,1)$, $(1,4)$, $(2,11)$

$$[A: f(t) = 2t^2 + t + 1]$$

2. LINEAR TRANSFORMATIONS

- Ex 2.1-11
- Ex 2.3-20
- Ex 2.4-15

3. SUBSPACES OF R^n

- Ex 3.3-23
- Construct the matrices in Ex 3.1-31,33 by using projections or reflections. So, find 3x3 matrices solving those exercises

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Date: Spring 2005 .