

Self-Study Notes: Vector Spaces

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I don't particularly appreciate doing heavy computations, and that's a bad thing, probably. I can give a long list of why is that, but the principal reasons are the following:

- In the heat of the moment I'm very error-prone, especially with numerical factors.
- Computers are a great tool for doing this.
- At some point it becomes repetitive, thus; boring.

This is probably a bad take, but that's how I am, at least right now. But why am I saying this, well the reason is this:

As an undergrad, I took Applied Linear Algebra 1, and it was a complete nightmare, I could follow the theory but it was such a pain to do Gauss elimination for big matrices. Some of my friends loved that, but that wasn't for me. I got a bad grade obviously, and the next semester I was supposed to take Applied Linear Algebra 2, which in principle was way more difficult than the course that I was taking, however, I decided to do that jump of faith and I enrolled in the class. I was surprised when I realized that the prerequisites for this class were not really the material covered in the previous course. The class was way more abstract, we started studying the notion of vector spaces, and that's when I fell in love with math. For some weird reason, I enjoyed that kind of abstraction.