Epilogue

Alex Stepanov

Necessary Foundation

- Elementary algebra
 - algebraic manipulations are the basis programming
- Euclidian geometry
 - provides a large structure that allows one to learn architectural skills

Primary text on Algebra

- George Chrystal, Elementary Algebra, volumes 1 and 2, AMS, 1999
 - http://www.amazon.com/Algebra-Elementary-Text-Book-2-set/dp/0821819313/

Alternative texts on Algebra

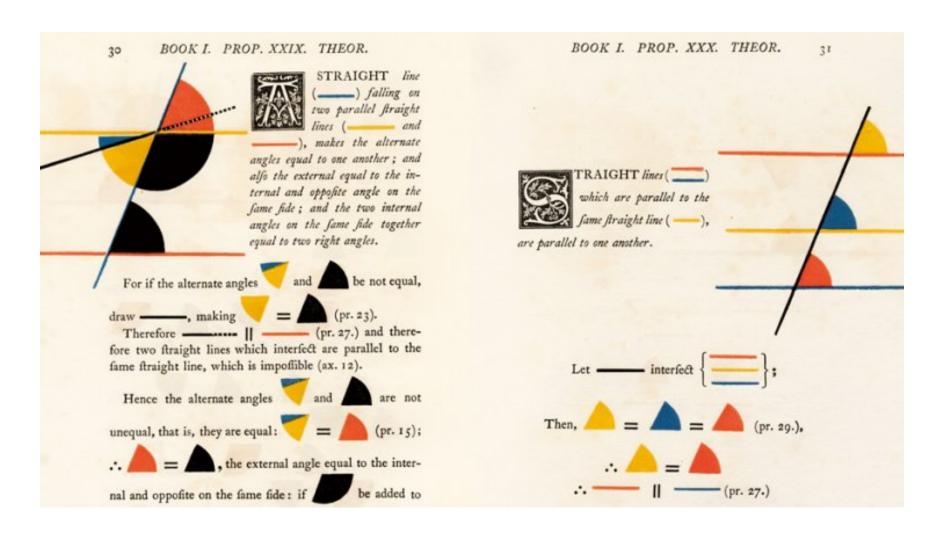
- H.S. Hall and S.R. Knight, Elementary Algebra, Higher Algebra (two separate volumes)
 - many reprints, but beware of poor quality
- Of historical importance are
 - Isaac Todhunter, Algebra for use of Colleges and Schools
 - George Peacock, Treatise on Algebra, Vol. 1 and 2

Primary text in Geometry

- 1. Euclid, *The Thirteen Books of the Elements*, Vol. 1: Books 1-2 http://www.amazon.com/The-Thirteen-Books-Elements-Vol/dp/0486600882/
- 2. Euclid, *The Thirteen Books of the Elements*, Vol. 2: Books 3-9
 http://www.amazon.com/The-Thirteen-Books-Elements-Vol/dp/0486600890/
- 3. Euclid, *The Thirteen Books of the Elements*, Vol. 3: Books 10-13

http://www.amazon.com/The-Thirteen-Books-Elements-Vol/dp/0486600904/

Oliver Byrne's Edition



Byrne's Euclid

• http://www.amazon.com/Six-Books-Euclid-Werner-Oechslin/dp/3836517752/

Easy Geometry

George Birkhoff and Ralph Beatley, *Basic Geometry*, AMS, 1999

http://www.amazon.com/Basic-Geometry-AMS-Chelsea-Publishing/dp/0821821016/