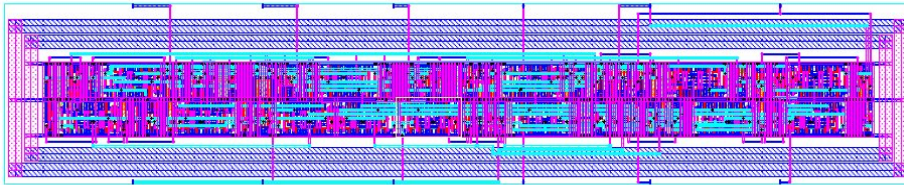# CS/ECE 5710/6710
Digital VLSI Design

VLSI Sketchbooks

VLSI Sketchbook

- I encourage you to try a sketchbook!
  - It should be at least 5x8"
  - It should be plain, unlined paper
  - Ideally it should be "nice" drawing/sketching paper
  - It doesn't have to cost very much

- Also colored pencils
 - These don't need to be fancy, but you'll need at least a few colors

VLSI Sketchbook

- ◆ What types of things go in a sketchbook?
  - Sketches!
  - That means ideas, thoughts, things you see that you find interesting, things you see that remind you of engineering issues, random patterns, etc.
  - Some of my suggestions will seem unrelated
    - i.e. to look at artists' work that is "chip-like" and draw some examples of similar images
  - These are designed to get you thinking, and to loosen up your drawing/sketching skills
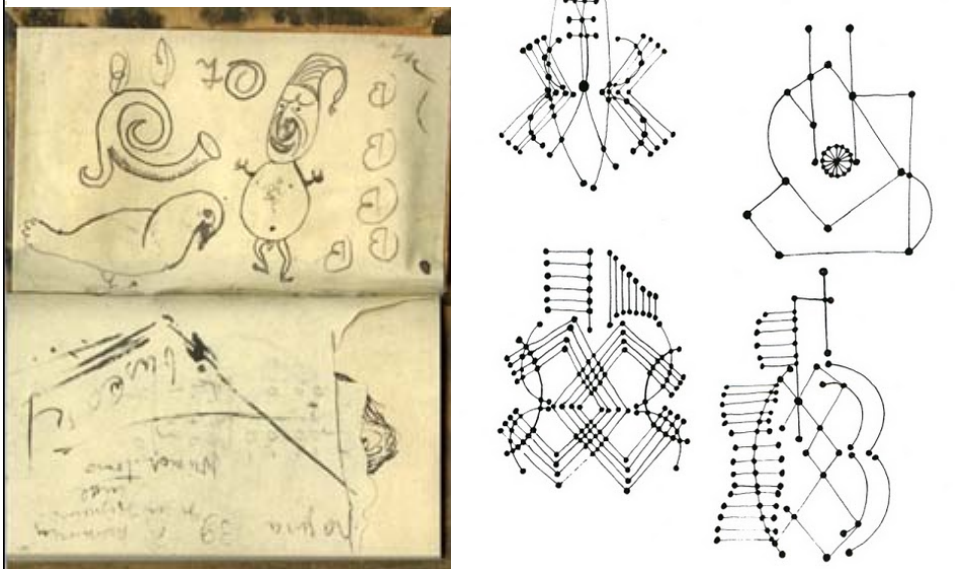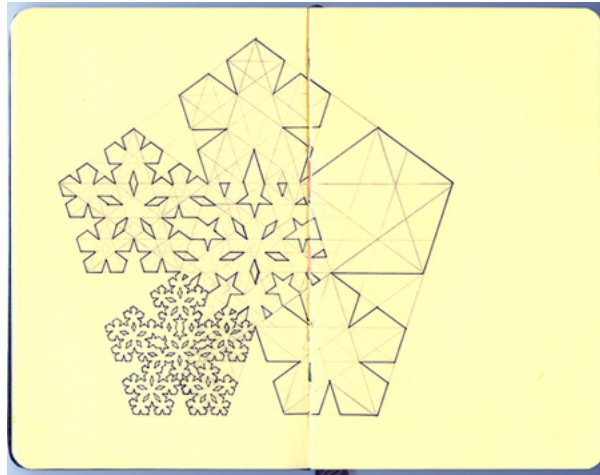
Sketchbook Examples

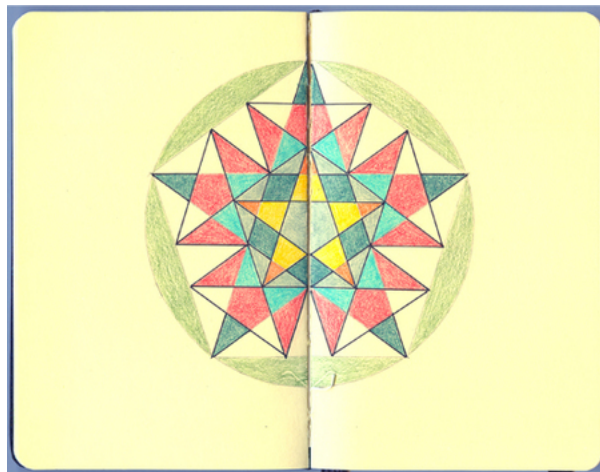# Leonardo
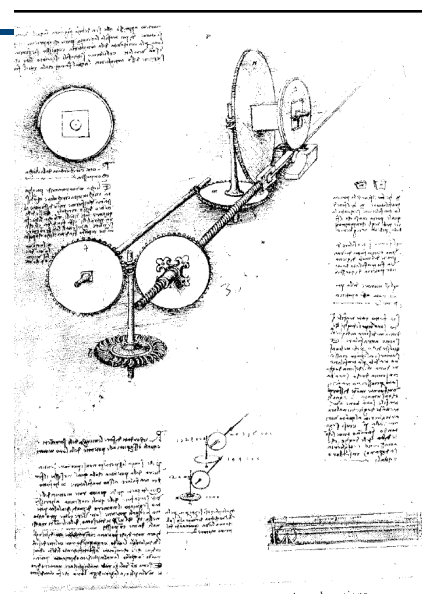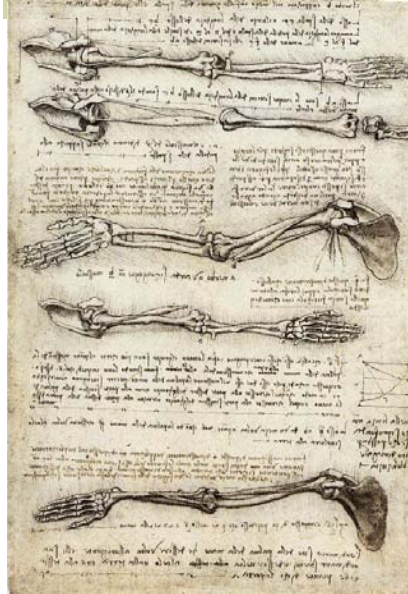
Leonardo

Picasso

Picasso

Delacroix

Delacroix

sketchingspirit.typepad.com

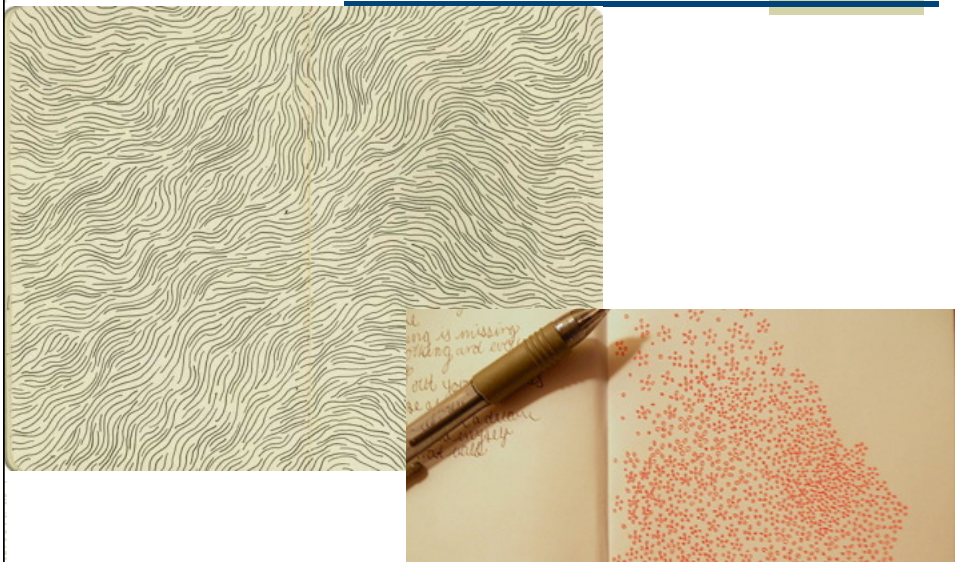**sketchingspirit.typepad.com**

sketchingspirit.typepad.com
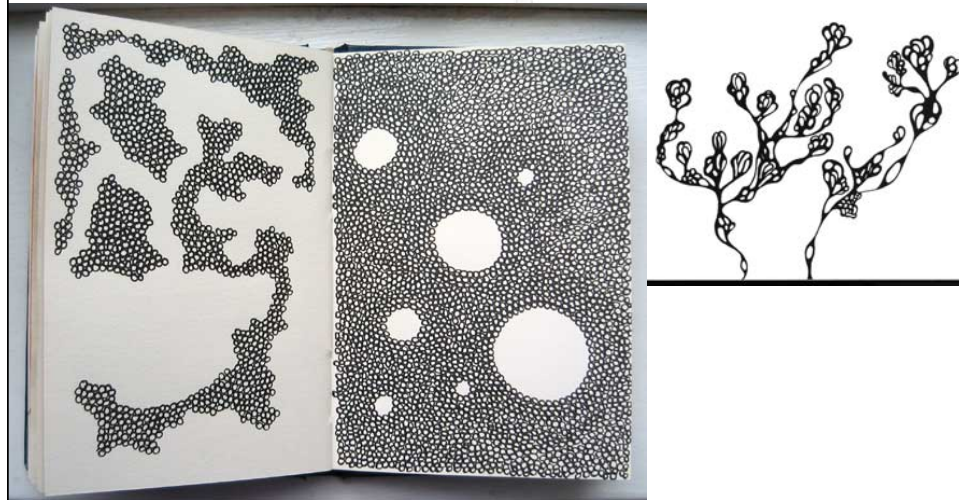

Lewis and Clark
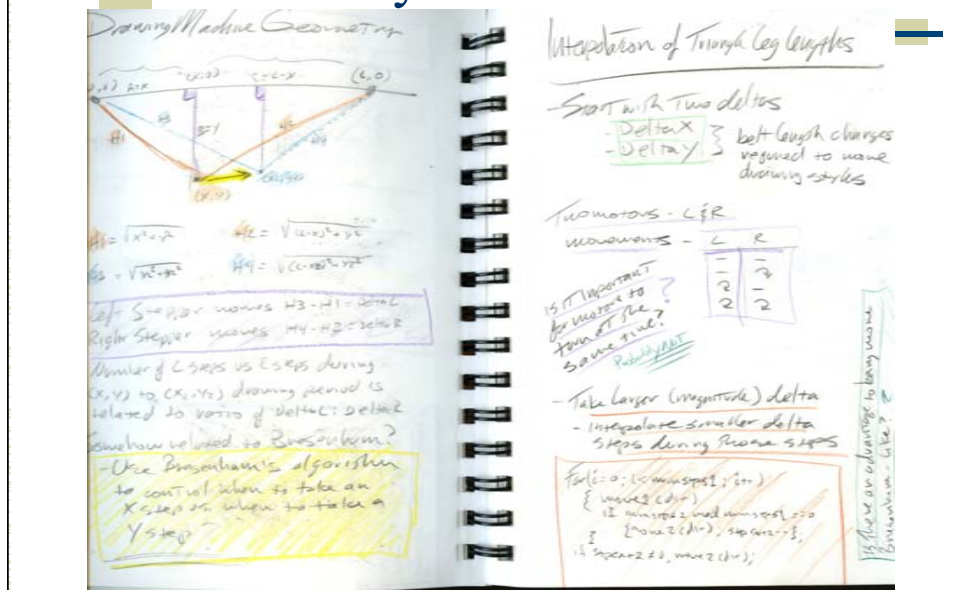
Lewis and Clark

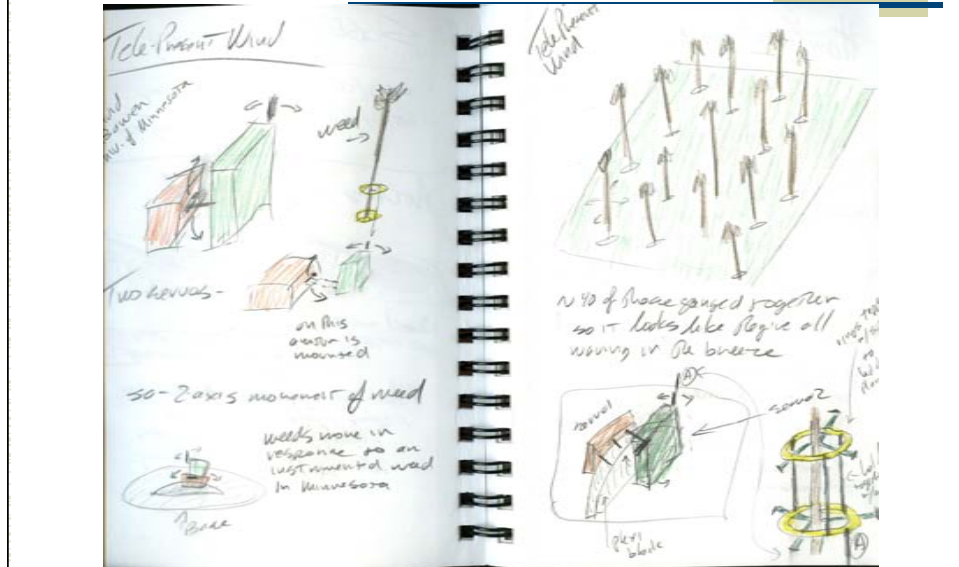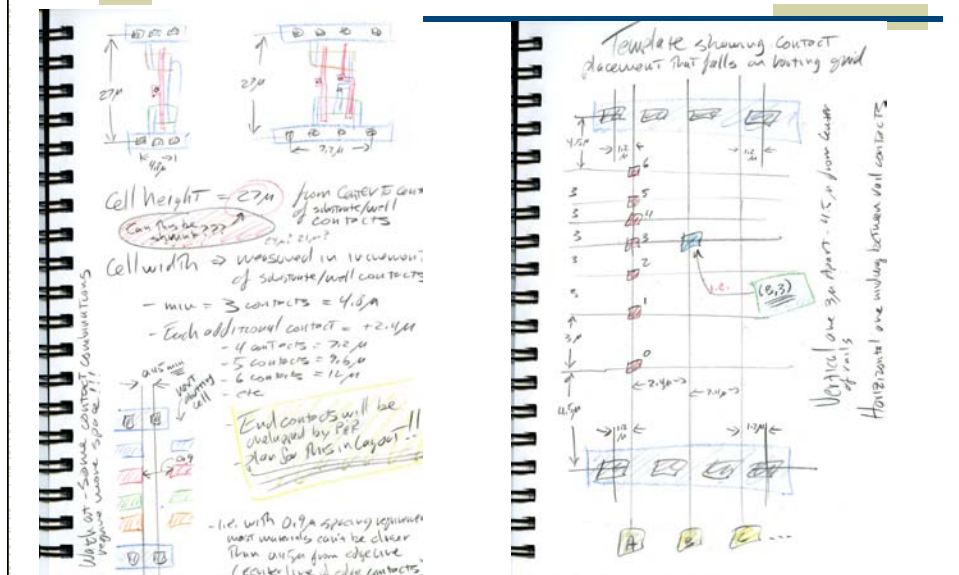# Patterns and Shapes

Patterns and Shapes

My Sketchbooks

My Sketchbooks

My Sketchbooks
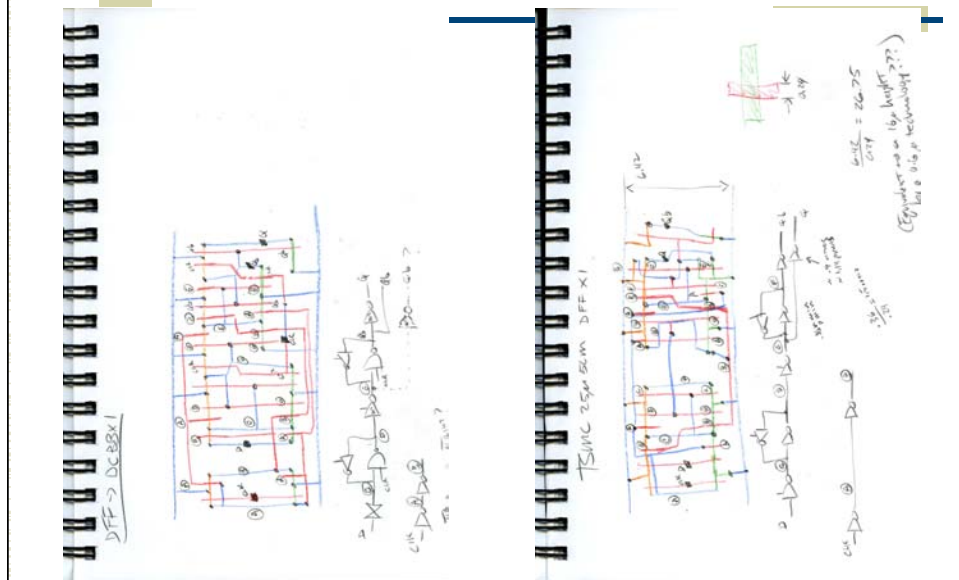
My Sketchbooks

Successful Sketchbooks

- ◆ Visual diaries
  - ▪ They should store personal responses including thoughts, ideas, and experiences
- ◆ Personal and unique
  - ▪ A collection of knowledge, thoughts, inspirations, that no one else has
- ◆ Near at all times
  - ▪ so ideas can be jotted down and drawings made whenever the situation allows

From a book on art education – I'll cite it as soon as I find it again…

Successful Sketchbooks

- Explore a variety of media
  - visual notes with written comments, drawings, work from direct observation and secondary sources
- Be inventive and experimental with media
  - Try out things you haven't used before
- Sketchbooks do not have to be neat or perfect
  - But they need to be legible and interesting to look at

From a book on art education – I'll cite it as soon as I find it again…

Sketchbook Gallery

- I've put some examples of sketchbooks in a gallery on the old class web site
  - http://www.eng.utah.edu/~cs6710/Sketchbooks/sketchbooks.html
  - Lots of other examples – we'll look at some in future classes