Science ...
... the Art Of Not Being Fooled!
Marshall McLuhan

"I don't know who discovered water, but it wasn't a fish!"
SKETCHPAD, A MAN-MACHINE GRAPHICAL COMMUNICATION SYSTEM

by

IVAN EDWARD SUTHERLAND

"It is to be hoped that future work will far surpass this effort"

Figure 6.1: Applying two constraints indirectly to two lines
- Parallelism
- Equal length

Ivan Sutherland
What is a Computer for Children & 3rd World?

The Dynabook: An Instrument Whose Music is Ideas

Learning math and science by making your own collaborative Spacegame

We have intimate relationships with our media

The Dynabook at the tidepools
James Clerk Maxwell as a young child:
What's the go of it?
Adult: ... mumble ...
JCM: Well, what's the particular go of it?

What's the ... of it?

Analogies To Writing and Reading and Literature
Two Dimensions of "Primary Motivations"

Reasoning & Change

Instrumental (95%)

Ideas (5%)