Hvad er matematik? 3
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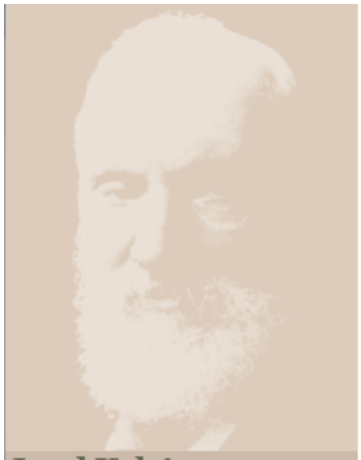
website: link fra kapitel 1

L&R Uddannelse
EGMONT

Kelvins foredrag

Foredraget om modellering af tidevandet ligger på hjemmesiden med alle Kelvins papirer.

http://zapatopi.net/kelvin/papers/the_tides.html



Lord Kelvin

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The Tides

By Sir William Thomson (Lord Kelvin)

Evening Lecture To The British Association At The Southampton Meeting on Friday, August 25, 1882

Part I

THE SUBJECT on which I have to speak this evening is the tides, and at the outset I feel in a curiously difficult position. If I were asked to tell what I mean by the Tides I should feel it exceedingly difficult to answer the question. The tides have something to do with motion of the sea. Rise and fall of the sea is sometimes called a tide; but I see, in the Admiralty Chart of the Firth of Clyde, the whole space between Ailsa Craig and the Ayrshire coast marked "very little tide here." Now, we find there a good ten feet rise and fall, and yet we are authoritatively told there is very little tide. The truth is, the word "tide" as used by sailors at sea means *horizontal* motion of the water; but when used by landsmen or sailors in port, it means *vertical* motion of the water. I hope my friend Sir Frederick Evans will allow me to say that we must take the designation in the chart, to which I have referred, as limited to the instruction of sailors navigating that part of the sea, and to say that there is a very considerable landsman's tide there—a rise and fall of the surface of the water relatively to the land—though there is exceedingly little current.

One of the most interesting points of tidal theory is the determination of the currents by which the rise and fall is

Denne side indeholder et væld af spændende materialer, så gå blot på opdagelse!