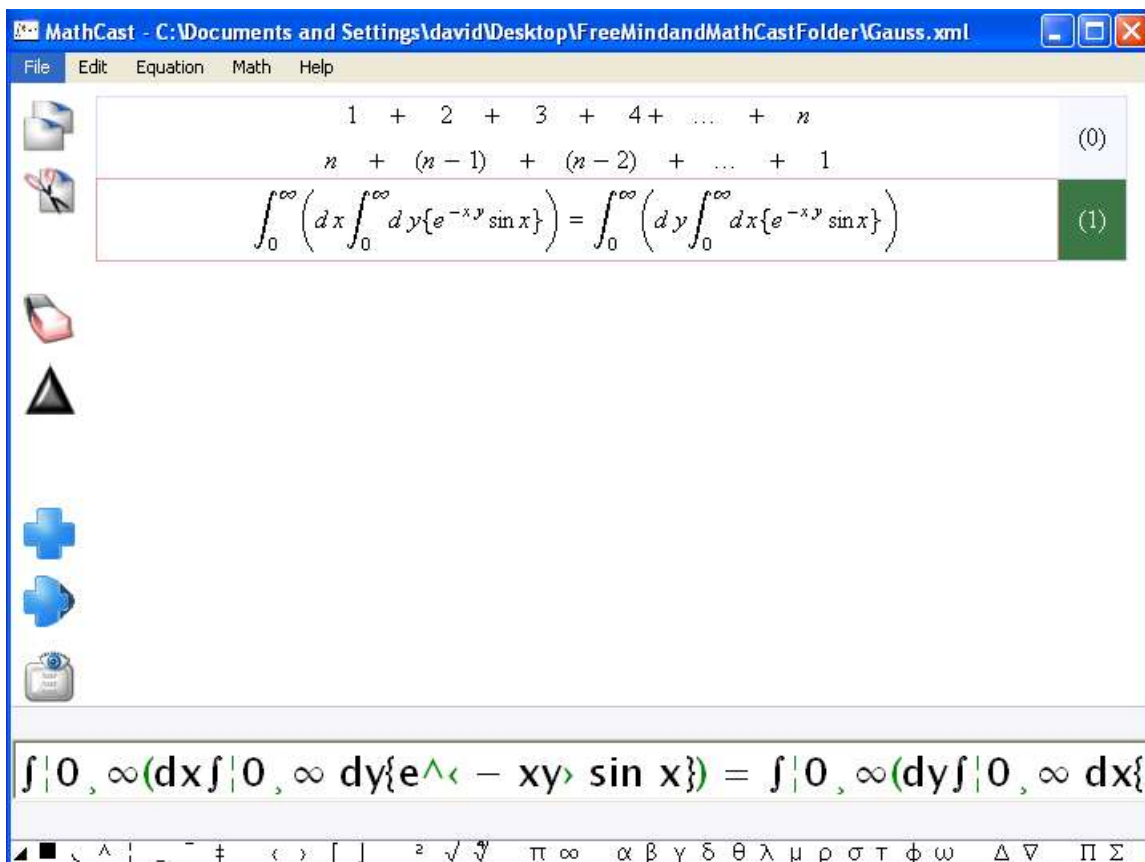
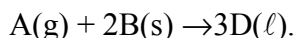


Electronic Technical Communication
 Cumbersome but Workable
 Carl W. David
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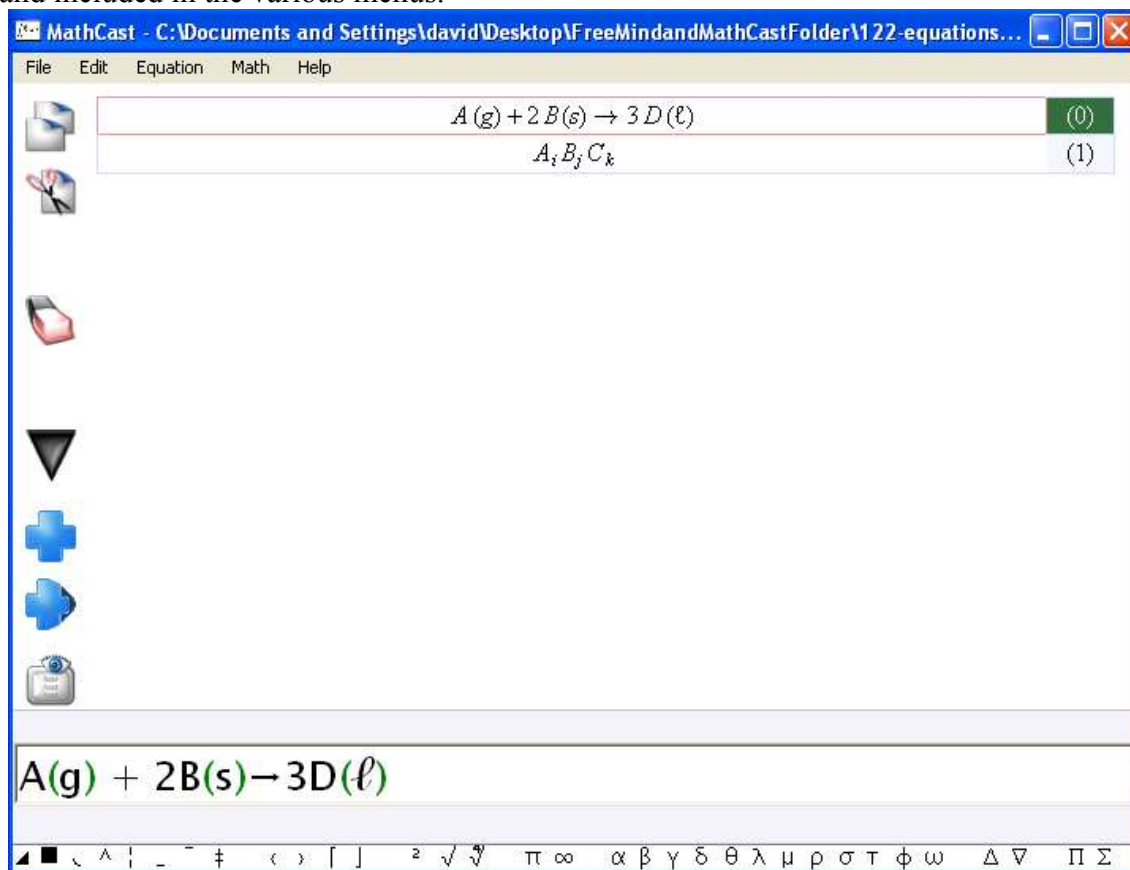
In order to communicate technical materials using e-mail, you need to acquire MathCast from <http://mathcast.sourceforge.net/home.html>, i.e., download it to your PC and install it somewhere. Then, you need to learn how to use it. The Help is rudimentary, and the Help File's extension conflicts with ChemDraw, so there are some problems with it, but I will give some help in this document which may be of value. In any case, once you've gotten an equation into MathCast, you need to export it. Under Menu "Equation→Export Equation", you can export the chosen equation to the Desktop in .png format, which, when opened with MicroSoft Photo Editor, will result in a picture version of your equation which can be Cut or Copied and then Pasted into your e-mail message at the appropriate place. When you execute the Paste, MicroSoft Outlook asks if you want to change format to HTML, and if you answer yes, the actual picture of the equation is copied into your message at the appropriate place, and can be viewed and printed by others provided they are using modern software.



As a mini-tutorial in using this scheme, consider writing a simple chemical equation of the form:



The big + sign adds an empty equation to your current list, and then on the input line at the bottom, you type what you need, using the special symbols as required by the science, and included in the various menus.



In our case, we need script l (ℓ) which is under the **Math**→**special letters** menu.

Math→**arrows** supplies the requisite chemical reaction arrow usually employed. To create subscript, you need the special symbol, third from the left, on the MathCast screen (I can't type it here, but it's a quarter circle. The “^” is the superscript operator which makes the next character a superscript. The “|” symbol, 5'th from the left, is the composite, comma separated super/sub script symbol). More complicated mathematics may be harder to compose, specifically vectors and matrices, but not so much as to be daunting. For example:



can be composed as a single entry, using the Vector scheme of MathCast.

