

Re: what's it worth to write a short program for polynomial multiplication?

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rjf wrote:

This is somewhat off topic; I do not myself consider unadorned common lisp to be an ideal language for expression of mathematics for applications. It is pretty handy for programming, though, and I think that is illustrated by the short programs for multiplication of polynomials in the referenced paper. If shorter programs can be written in other languages, (other than Tim's x*y) I'd like to see them.

I'm not really sure about the value of short multiplication codes other than for pedagogical applications, but maybe that's just me. In any case, I thought I'd throw a ruby program to multiply polynomials stored as hash tables with exponents as keys into the pot:

```
c = Hash.new(0)
a.each {|ea,ca| b.each {|eb,cb| c[ea+eb] += ca*cb }}
```

Certainly not optimized for anything, maybe(!) except for code size. The code would look virtually the same in almost any language that provides hash tables, which certainly includes C++, Python, MuPAD, Maple, and I would be very surprised if it did not include LISP, Axiom etc.

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seit wann sind Vertragsinhalte für NewsGroup-Frager relevant?

Sie sind lebensnotwendig um sie sofort auf überraschende Inhalte abzuklopfen oder sonst in Frage zu stellen.
(Kurt Gunter und Konrad Wilhelm in dsrm)

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