Subject: Different shifts on rows of matrices
Posted by msreeve on Fri, 05 Aug 1994 17:34:57 GMT
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Does anyone have a quick way of performing a shift
on a matrix where each row or column is shifted by
different amounts? APL has the rotate operator
which allows precisely this.

Having used APL extensively I am continually
frustrated by IDL which seems like a crippled APL
with graphics and some nice math functions. For
example, why doesn't IDL have a "reduce" operator?
In APL, this places an operator between each pair
of elements of a vector, or along rows or columns
of matrices..., and then evaluates in APL's right-
to-left fashion. This is extraordinarily handy.
IDL has "total" for a "plus reduction", but I often
wish to do an "AND reduction" or something else.
APL's inner and outer products are also sorely missed,
as are the general catenation scheme -- it's very
clumsy to catenate matrices across different dimensions
in IDL.

I like IDL very much, in many ways. I just
wish RSI would include more of IDL's APL heritage in
their capabilities.

Mark Reeve