>> In every other language, arrays and array elements are
>> passed by reference and primitives are passed by value.
>
>
> Really!? Yet one more reason to put off learning C++. :-)

Yes. Really. In C/C++, primitives are sent by value. If you need to
modify the value from within the function, you have to send the
reference to the variable instead. Arrays are automatically passed by
reference. In fact, it's possible to work with an array just like it's
a contiguous series of references.

Java is similar, except all primitive variables are passed by value.
Always. There's no way around this. All objects (including arrays) are
sent by reference.

Other languages, except IDL, have similar ideas when it comes to pass by
reference and value.

-Mike