Subject: Re: Compiling file with many functions: huge performance difference between IDL and IDLDE

Posted by mwvogel on Fri, 19 Mar 2004 11:30:54 GMT

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- > You can find a hash_table implementation on the RSI user contribution
- > site. Quick performance test for 12000 sets/gets:

```
> #hashes set/get per entry (ms)
> 13 6
> 101 0.8
> 1001 0.15
> 12000 0.08/0.05
```

>

- > Talking about it:
- > How would you calculate a hash value from a string? In C I would
- > base it on the ASCII value of the chars, but in IDL? Above mentioned
- > implementation converts the string via byte() and then loops over
- > the resulting array. Is there a faster way (loops always take so long)?

For real short strings (up to approx 11 chars) one could replace

However, TOTAL() produces a double, and is therefore prone to roundoff errors, possibly reducing the hashing efficiency. Also, I am not so sure that the for loop is that much slower for small arrays. At least the original code is easier to read:-)