# Hide Float internal

**Description**

I'd like to make `struct RFloat` opaque. We already have fionum. Looking into struct RFloat's internals have (I believe) zero use.

The struct is already accessed via appropriate macros/functions so hiding it is super-duper easy (see the patch). Passes test-all.

Signed-off-by: Urabe, Shyouhei <shyouhei@ruby-lang.org>

```diff
--- a/ChangeLog
+++ b/ChangeLog
@@ -1,3 +1,9 @@
+Sun May 25 21:12:15 2014  URABE Shyouhei <shyouhei@ruby-lang.org>
+
+ * include/ruby/ruby.h (struct RFloat): no longer.
+ * internal.h (struct RFloat): moved here.
+ Sun May 25 20:31:49 2014  Nobuyoshi Nakada <nobu@ruby-lang.org>

* configure.in (ac_cv_func_{getcontext,setcontext}): do not
```
```c
#define RREGEXP(obj) (R_CAST(RRegexp)(obj))
#define RARRAY(obj)   (R_CAST(RArray)(obj))

+struct RFloat {
+    struct RBasic basic;
+    double float_value;
+};
+
+#define RFLOAT(obj) (R_CAST(RFloat)(obj))

/* class.c */
void rb_class_subclass_add(VALUE super, VALUE klass);
void rb_class_remove_from_super_subclasses(VALUE);

1.9.1
```

**Associated revisions**

**Revision 6adc6a8 - 06/23/2014 04:12 AM - shyouhei (Shyouhei Urabe)**

- include/ruby/ruby.h (struct RFloat): no longer. [Feature #9863]
  - * include/ruby/ruby.h (RFLOAT): ditto.
  - * internal.h (struct RFloat): moved here.
  - * internal.h (RFLOAT): ditto.

  git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@46505 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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03/19/2022
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History
#1 - 05/25/2014 05:48 PM - normalperson (Eric Wong)
shyouhei@ruby-lang.org wrote:

    Feature #9863: Hide Float internal

Yes please. Probably a few more easy ones to hide:
RSymbol - new in 2.2, no compatibility risk?
RComplex - probably the same 3rd-party usage RRational

#2 - 06/18/2014 12:23 PM - matz (Yukihiro Matsumoto)
Approved.
Matz.

#3 - 06/23/2014 04:12 AM - shyouhei (Shyouhei Urabe)
- Status changed from Open to Closed
- % Done changed from 0 to 100

Applied in changeset r46505.