

Ruby trunk - Feature #13639

Add "RTMIN" and "RTMAX" to Signal.list

06/08/2017 05:22 AM - ksss (Yuki Kurihara)

Status:	Open
Priority:	Normal
Assignee:	
Target version:	

Description

I propose to add the key "RTMIN" and "RTMAX" to Signal.list

Currently, We can't know signal number for realtime-signal at own environment in Ruby.
And it's not portable if hard code number literal.

So, How about this idea?

Use case:

```
unless Signal.list["RTMIN"]
  raise "realtime-signal does not supported"
end
```

```
MY_SIGNAL = Signal.list["RTMIN"] + 1
```

```
Signal.trap(MY_SIGNAL) do |i|
  puts "Hello MY_SIGNAL"
end
```

```
Process.kill(MY_SIGNAL, $$)
#=> "Hello MY_SIGNAL"
```

Patch:

```
diff --git a/signal.c b/signal.c
index 8ee0963b8a..f17836350a 100644
--- a/signal.c
+++ b/signal.c
@@ -1381,6 +1381,12 @@ sig_list(void)
     for (sigs = siglist; sigs->signm; sigs++) {
         rb_hash_aset(h, rb_fstring_cstr(sigs->signm), INT2FIX(sigs->signo));
     }
+#ifdef SIGRTMIN
+    rb_hash_aset(h, rb_fstring_cstr("RTMIN"), INT2FIX(SIGRTMIN));
+#endif
+#ifdef SIGRTMAX
+    rb_hash_aset(h, rb_fstring_cstr("RTMAX"), INT2FIX(SIGRTMAX));
+#endif
     return h;
 }
```

Inspired by <https://github.com/ksss/mruby-signal/pull/3> and @takumakume

History

#1 - 08/31/2017 09:06 AM - matz (Yukihiko Matsumoto)

I propose

- Signal::RTMIN
- Signal::RTMAX

instead.

Matz.