Should OpenStruct implement #eql? and #hash?

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
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<tr>
<td>Assignee:</td>
<td>marcandre (Marc-Andre Lafortune)</td>
</tr>
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<td>Target version:</td>
<td>2.0.0</td>
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<td>Backport:</td>
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**Description**

Currently, OpenStruct have no specialized #eql? and #hash, so:

```ruby
require 'ostruct'
x = OpenStruct.new(foo: 42)
y = x.dup
x == y # => true
x.eql?(y) # => false
```

This means that OpenStruct does not behave like Struct, Array, Hash and other structures by comparing its fields and values.

This also prevents using OpenStructs as hash keys (unless one uses the exact same object as the key), contrary to other structures.

Is there an historical reason for this?

How likely would it be that adding #eql? and #hash create conflict with some fields?

**Related issues:**

- Related to Ruby master - Feature #6056: Enhancements to OpenStruct
  - Closed 02/21/2012

**Associated revisions**

- Revision b4300d25 - 10/28/2012 09:19 PM - marcandre (Marc-Andre Lafortune)
  - lib/ostruct.rb: Add OpenStruct#eql? and OpenStruct#hash [ruby-core:42651] [Bug #6029]
  - git-svn-id: ssh://ci.ruby-lang.org/ruby/trunk@37373 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

- Revision 37373 - 10/28/2012 09:19 PM - marcandre (Marc-Andre Lafortune)
  - lib/ostruct.rb: Add OpenStruct#eql? and OpenStruct#hash [ruby-core:42651] [Bug #6029]

- Revision 37373 - 10/28/2012 09:19 PM - marcandre (Marc-Andre Lafortune)
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History

#1 - 03/18/2012 06:46 PM - shyouhei (Shyouhei Urabe)
- Status changed from Open to Assigned

#2 - 10/29/2012 06:19 AM - marcandre (Marc-Andre Lafortune)
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r37373. Marc-Andre, thank you for reporting this issue. Your contribution to Ruby is greatly appreciated. May Ruby be with you.

- lib/ostruct.rb: Add OpenStruct#eql? and OpenStruct#hash [ruby-core:42651] [Bug #6029]