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Subject: Combing structures

Posted by [Michael Williams](#) on Mon, 07 Jun 2010 15:01:42 GMT

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Hi,

I have two structures. Each contains a unique set of tags whose values are floats or arrays of floats. E.g.

```
xx = findgen(5)
y = 1.0
str1 = {one: xx, two:y}
```

```
xx = findgen(3)
y = -1.0
str2 = {three: xx, four: y}
```

I want to merge them into one flat structure of their elements. At the moment I am doing this manually:

```
str = {one:str1.one, two:str1.two, three:str2.three, four:str2.four}
```

This obviously becomes unwieldy and error-prone when my structures have several dozen tags. Is there a way of automating the merge step? I am happy to assume the tag names are unique (i.e. there is no danger of a collision).

I have played around with the tag\_names function, but I can't see a way of using this without using the EVALUATE function, which is generally a bad idea.

-- Mike

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