
Subject: Re: Converting INT to STRING out of space...
Posted by [Craig Markwardt](#) on Mon, 21 Mar 2005 15:56:24 GMT
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Nuno Oliveira <nmoliveira@fc.ul.pt> writes:

> If I want to save a file within a cicle and I want the name of
> the file to have the number related to the cicle, I have a problem
> that maybe someone in here have faced.
>
> Apparently there is no way that I can eliminate a space in a
> string made of an integer variable. Try:
>
> number = 3
> aux = STRCOMPRESS(STRING(number))
> file = 'saving'+aux+'.dat'
>
> And, this way the variable file will be 'saving 3.dat' with a SPACE
> inside the string. Any tips of how I can avoid this space?

Yes, how about,

```
aux = strtrim(number,2)
or, to solve your whole problem at once,
file = string(number,format="saving",10,".dat")
```

I use both.

Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

Subject: Re: Converting INT to STRING out of space...
Posted by [tam](#) on Mon, 21 Mar 2005 16:00:15 GMT
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Nuno Oliveira wrote:

> If I want to save a file within a cicle and I want the name of the
> file to have the number related to the cicle, I have a problem that
> maybe someone in here have faced.
>
> Apparently there is no way that I can eliminate a space in a string
> made of an integer variable. Try:
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>
> And, this way the variable file will be 'saving 3.dat' with a SPACE
> inside the string. Any tips of how I can avoid this space?
>
> Greetings,
>
> Nuno
>
Try the /remove_all option in strcompress. Should do the trick.

Regards,
Tom McGlynn

Subject: Re: Converting INT to STRING out of space...
Posted by [Ben Panter](#) on Mon, 21 Mar 2005 16:00:30 GMT
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Nuno Oliveira wrote:

> Apparently there is no way that I can eliminate a space in a string
> made of an integer variable. Try:
>
> number = 3
> aux = STRCOMPRESS(STRING(number))
> file = 'saving'+aux+'.dat'
>
> And, this way the variable file will be 'saving 3.dat' with a SPACE
> inside the string. Any tips of how I can avoid this space?

I have a solution, but it isn't general. If you use:

```
number = 3
aux = strtrim(string(number),2)
file = 'saving' + aux + '.dat'
```

It should solve your problem - by removing the space before it appears in the filename!

The more general solution requires you to call the strcompress a bit later, and with the /remove_all keyword.

```
number = 3
aux = string(number)
file = strcompress('saving' + aux + '.dat', /remove_all)
```

without /remove_all, strcompress compresses all whitespace to a single whitespace, it doesn't get rid of it.

HTH,

Ben

--

Ben Panter, Garching, Germany
email via www.benpanter.co.uk

Subject: Re: Converting INT to STRING out of space...
Posted by [Ben Panter](#) on Mon, 21 Mar 2005 16:03:10 GMT
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Ben Panter wrote:

> Nuno Oliveira wrote:

>

>> Apparently there is no way that I can eliminate a space in a
>> string made of an integer variable. Try:

>>

>> number = 3

>> aux = STRCOMPRESS(STRING(number))

>> file = 'saving'+aux+'.dat'

> without /remove_all, strcompress compresses all whitespace to a single

> whitespace, it doesn't get rid of it.

hmmm.

Alternatively if I were to engage my brain before posting, you could just
put a /remove_all in your strcompress call, which would do the business.

Ben

--

Ben Panter, Garching, Germany
email via www.benpanter.co.uk

Subject: Re: Converting INT to STRING out of space...

"Nuno Oliveira" <nmoliveira@fc.ul.pt> wrote in message

news:d1mqh8\$111t\$1@pegasus.fccn.pt...

> If I want to save a file within a cycle and I want the name of the file to
> have the number related to the cycle, I have a problem that maybe someone
> in here have faced.

>

> Apparently there is no way that I can eliminate a space in a string made
> of an integer variable. Try:

>

> number = 3

> aux = STRCOMPRESS(String(number))

> file = 'saving'+aux+'.dat'

>

> And, this way the variable file will be 'saving 3.dat' with a SPACE inside
> the string. Any tips of how I can avoid this space?

>

> Greetings,

>

> Nuno

>

The answers posted solve your problem for you.

I would just add one tidbit, you can format the numbers
to have leading 0's, so that they line up nicely when
you get a file listing in alphabetical order.

Use format of I3.3 for instance:

```
string(number,format=('"saving",I3.3,".dat"))
```

Cheers,

bob
