Subject: help with stopping criterion - use of BREAK Posted by g.nacarts on Wed, 28 Jan 2015 17:09:51 GMT

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Ηi

I am using an iterative method and I want to add a stopping criterion in which the iterating will stop when there is no change in 3 consecutive iterations. I did the following but I am getting syntax error but I am not sure whether the use of BREAK it's correct. My code is as follows:

COUNTER = 0
IF ABS(OLD_VALUE-NEW_VALUE) EQ 0 THEN COUNTER = COUNTER + 1 \$
ELSE COUNTER = 0

IF COUNTER EQ 3 THEN BREAK ENDIF

Subject: Re: help with stopping criterion - use of BREAK Posted by Craig Markwardt on Wed, 28 Jan 2015 17:46:50 GMT View Forum Message <> Reply to Message

On Wednesday, January 28, 2015 at 12:09:52 PM UTC-5, g.na...@gmail.com wrote:

- > Hi
- _
- > I am using an iterative method and I want to add a stopping criterion in which the iterating will stop when there is no change in 3 consecutive iterations. I did the following but I am getting syntax error but I am not sure whether the use of BREAK it's correct. My code is as follows:
- > COUNTER = 0
- > IF ABS(OLD_VALUE-NEW_VALUE) EQ 0 THEN COUNTER = COUNTER + 1 \$
- > ELSE COUNTER = 0

>

>

- > IF COUNTER EQ 3 THEN
- > BREAK
- > ENDIF

IDL is line oriented. You can extend lines with \$ like you did in the first part of your code.

This statement:

> IF COUNTER EQ 3 THEN is a syntax error.

This statement:

> IF COUNTER EQ 3 THEN BREAK is not a syntax error. Nor is this,> IF COUNTER EQ 3 THEN \$

Craig

Subject: Re: help with stopping criterion - use of BREAK Posted by mick.mitanirc3 on Thu, 05 Feb 2015 21:26:17 GMT View Forum Message <> Reply to Message

Why are you using the abs() function in your comparison? Since you are comparing your result to 0 the sign doesn't matter. Mathematically -0 is possible but unless you are doing some crazy stuff you won't get it and that's even providing that IDL allows integer 0 to have a sign.