Error thrown dividing a result from a date using a mathematical field

When using a mathematical field I created several times in the past a field to calculate the age of someone using:

```
(round (div (sub (date) childrenBirthDate) 31536000 ) 1)
```

In Tiki 20.1 (from Git; no revision number found) it thrown an error:

```
Divide by zero on "0"
```

```
(sub (date) childrenBirthDate)
```
is not throwing the error.

The error is coming from a test at "lib/core/Math/Formula/Function/Div.php".

Workaround
Do you have relation fields in the same tracker? Or pointing to it? Seems that it tries to run the same formula on other trackers without the references field i think when it's trying to do tracker_refresh_itemslist_detail but i got lost trying to debug it... (hence adding Victor to this wish)

The workaround I did was to add an if around it (which i think is good practice anyway), e.g.

`(if childrenBirthDate (round (div (sub (date) childrenBirthDate) 31536000 ) 1))`

Importance
5

Easy to solve?
5

Priority
25

Demonstrate Bug
Please demonstrate your bug on show2.tikiwiki.org

Version: trunk ▼ Create show2.tikiwiki.org instance

Ticket ID
7165

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Monday 26 August, 2019 15:49:15 GMT-0000

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Wednesday 30 October, 2019 09:54:27 GMT-0000

Comments

Bernard Sfez / Tiki Specialist 27 Aug 19 17:14 GMT-0000

Interesting...

I was using (it was my good practice):

`(if (IsEmpty childrenBirthDate) (str ) (round (div (sub (date) childrenBirthDate) 31536000 ) 1 ))`

But then I guess "" was considered as 0 or anyway something that doesn't compute.

Your solution is better, thanks !

`(if childrenBirthDate (round (div (sub (date) childrenBirthDate) 31536000 ) 1))`

I suggest we start to log working samples for the others at:
I started... 😊

**Attachments**

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<th>filename</th>
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No attachments for this item

The original document is available at
http://dev.tiki.org/item7165-Error-thrown-dividing-a-result-from-a-date-using-a-mathematical-field