

## Bugs & Wish list

Error thrown dividing a result from a date using a mathematical field | Tiki Wiki CMS Groupware :: Development  
Error thrown dividing a result from a date using a mathematical field

### Status

✖ Closed

### Subject

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

### Version

20.x

21.x

### Category

- Regression

### Feature

Trackers

### Resolution status

Confirmed

### Submitted by

Bernard Sfez / Tiki Specialist

### Volunteered to solve

Jonny Bradley

### Keep informed

Victor Emanouilov

### Lastmod by

Bernard Sfez / Tiki Specialist

### Rating

★ ★ ★ ★ ★ (0) ?

### Related-to

- ✖ Change in condition inside a calculation field (breaks rebuilt index operation and calculation)
- ✖ Error warning: Divide by zero on "0"

### Description

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".

Updated 04/04/2020

After upgrading to Tiki21 the workaround is not useable anymore.

It forbid the index rebuilt operation to complete and therefore the Tiki is broken.

See:

<https://dev.tiki.org/item7304-Change-in-condition-inside-a-calculation-field-breaks-rebuilt-index-operation-and-calculation>

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Update 20/05/2020

Found the culprit ! (and it is not directly related to calculation ?)

I have in this tracker an item list field that get info from another tracker so I need to use trackerrender to display the original value and not the value of the dropdown item.

It is not used for any calculation, it is the employee ID

To display it I use:



```
{FORMAT(name="id")}{display name="tracker_field_timeworkEmployeeId"
format="trackerrender" default=""}{FORMAT}
```

Used that way I got the error:

Divide by zero on "0"

If I change the format for:



```
{FORMAT(name="id")}{display name="tracker_field_timeworkEmployeeId_text"
default=""}{FORMAT}
```

The error is gone.

## Solution

Seems fixed under Tiki22.

May be a backport ?

## 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 (Tiki 19+)

Please demonstrate your bug on [show2.tiki.org](https://show2.tiki.org)

Version: trunk ▼

Demonstrate Bug (older Tiki versions)

Please demonstrate your bug on [show.tikiwiki.org](https://show.tikiwiki.org)

Version: 18.x ▼

Ticket ID

7165

Created

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

by Bernard Sfez / Tiki Specialist

LastModif

Sunday 04 July, 2021 11:41:13 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 :

<https://doc.tiki.org/Mathematical-Calculation-Tracker-Field>

I started... 😊



Mike Finko 13 Oct 20 10:37 GMT-0000

Mmm... I vote for :

2) provide a more detailed message so users can easily resolve their issues

3) fix any bugs

but so far I had no error with Tiki22



Bernard Sfez / Tiki Specialist 04 Jul 21 11:41 GMT-0000

Was temporary or was solved

#### Attachments

filename	created	hits	comment	version	filetype
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No attachments for this item

The original document is available at

<https://dev.tiki.org/item7165-Error-thrown-dividing-a-result-from-a-date-using-a-mathematical-field>