

Bugs & Wish list

TrackerList compute 'sum' returns "7.105427357601E-015" | Tiki Wiki CMS Groupware :: Development
TrackerList compute 'sum' returns "7.105427357601E-015"

Status

● Open

Subject

TrackerList compute 'sum' returns "7.105427357601E-015"

Version

12.x

Category

- Usability
- Feature request

Feature

Trackers

Resolution status

New

Submitted by

Mike Finko

Lastmod by

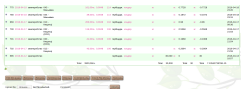
Xavier de Pedro

Rating

★★★★★ (0) ?

Description

When using TrackerList compute function (sum of a column), sometimes it returns the number:
7.105427357601E-015



This is reported on several php forums and is not a bug but: "its the acceptable precision of floating point numbers" or also described as "Subtracting 2 floats returns incorrect results".

Seems that a workaround patch may be necessary as one post suggests:

"so I guess you need to hack it: if (\$resultB < 0.000) \$resultB = 0;"

Here are links:

<http://forums.oscommerce.com/topic/199647-php-math-bug-big-problem/>

<https://bugs.php.net/bug.php?id=41213&edit=1>

[http://grokbase.com/t/php/php-bugs/074v5dv79q/41213-new-subtracting-2-floats-returns-incorrect-r
esults](http://grokbase.com/t/php/php-bugs/074v5dv79q/41213-new-subtracting-2-floats-returns-incorrect-results)

br,
Mike

Workaround

Use mathematical calculation field instead

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

with the advanced syntax:

<https://doc.tiki.org/Advanced+Rating>

Or the new features added in TableSorter in Tiki15 for sums and averages of data in the table, etc.:
param "tstotals".

The compute field is deprecated (risky, security-wise) and will not be extended anymore, I'm afraid.

Importance

5

Priority

25

Demonstrate Bug (Tiki 19+)

Please demonstrate your bug on show2.tiki.org

Version: trunk ▼

Demonstrate Bug (older Tiki versions)

Please demonstrate your bug on show.tikiwiki.org

Version: 18.x ▼

Ticket ID

5968

Created

Wednesday 01 June, 2016 14:46:00 GMT-0000
by Mike Finko

LastModif

Thursday 02 June, 2016 07:43:27 GMT-0000

Comments



Jonny Bradley 01 Jun 16 17:43 GMT-0000

Hi Mike

How do you conclude that this is a release blocker?

Blockers are things that are so bad that we can't release any more versions of any branches until this is fixed and i'm afraid i just don't agree with this one, for instance you say this is in 12, but presumably we already released 13, 14 and 15 with it like this and nobody noticed.

Blockers would be things like all your wiki pages get deleted without any way of undoing it, or all your users cannot log in any more, that sort of thing.

A slightly ugly numeric display on an obscure option on a (should be) deprecated plugin isn't a blocker.

However, if you insist it is then please supply a show instance demonstrating the bug, and also please check if it's present in the current supported versions, especially 15.x.

Thanks



Mike Finko 02 Jun 16 07:27 GMT-0000

Hi Jonny,

sorry for the incorrect use of 'category' - my ignorance, I'll read over all the categories today and try to more appropriately identify them in the future (but, even now I realize that the list is sorted on the top problem 'Blocker' to the lowest type of problem 'Support Request'). Since I read this is not a bug, it threw me off. I changed it to a patch, that seems more appropriate, though I could be incorrect again 😊

I will create a tracker in 15x , test today and let you know.

Once, again, my apologies for having to take your time on this issue due to my incorrect tagging,
Mike



Xavier de Pedro 02 Jun 16 07:42 GMT-0000

Hi mike (& jonny)

I added some comment yesterday under the section "workaround". I presume this issue (yes it's a bug, not a blocker bug, but a minor bug affecting the display and misleading users) won't be fixed unless you propose a patch yourself. Most attention is given to supported features, and to its alternative+better+supported/extended mathematical calculation, or the other " workaround" I commented with tableserter in tiki15.

Thanks for your report, and for taking the time to learn how the Tiki Community works. Ideally, there would be some welcome page providing new users with all these infos, but it seems we don't have that have that properly aggregated and summarized somewhere.

Welcome to the Tiki Community, and thanks for your help to make things better over time



Xavier de Pedro 02 Jun 16 07:46 GMT-0000

In my honest opinion, this is more a usability bug and feature request, (instead of a "patch", that implies that someone provided a patch to fix the issue). Therefore I've retagged it accordingly.

Thanks for your time and effort to make things better.



Jonny Bradley 02 Jun 16 19:31 GMT-0000

Thanks Mike,

I expect there isn't really a clear doc page about what all this means so i apologise for my somewhat intemperate remarks and thank you for taking the time to let us know about it. All feedback is welcome and will help to make Tiki a better thing, so i hope i haven't put you off! 🌍

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/item5968-TrackerList-compute-sum-returns-7-105427357601E-015>