A Strange Weight System by Duzhin - Exchange

June-04-11
9:52 AM

Date: Wed, 1 Jun 2011 09:38:17 -0400 (EDT)
From: Dror Bar-Natan <drorbn@math.toronto.edu>
To: Sergei Duzhin <...>
Subject: Re: kleinian weight systems

Sergei,

There is a big difference between what I said in Calgary and what I say now - back then I was sure you only get the sl(2) weight system, now it seems that there is possible room for more...

Best,

Dror.

On Wed, 1 Jun 2011, Sergei Duzhin wrote:

> Thanks a lot, Dror.
> It really looks like what you told me in Calgary.
> Non-decomposable kleinian functions really exist, but I know only
> of trivial examples like $E_{\{1,2,3\}}+E_{\{4,5,6\}}$, where $E_{\{a,b,c\}}$
> is a skew function supported on the orbit of the point (a,b,c) in R^3.
> That gives evidently a zero weight system.
> Best wishes,
> Sergei
>
> On Tue, May 31, 2011 at 03:55:29PM -0400, Dror Bar-Natan wrote:
> >
> > Sergei,
> >
> > See
> > http://katlas.math.toronto.edu/drorbn/AcademicPensieve/2011-05/one/A_Strang
> > e_Weight_System_by_Duzhin_-_Response.pdf
> >
> > Best,
> >
> > Dror.