

SISSA, Trieste

July 9–12, 2012

Geometry, Integrability, Quantization



**A workshop dedicated to *Vladimir Rubtsov*
on the occasion of his 60th birthday
(VolodyaFest)**

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When I started to prepare this talk, I immediately remembered and absolutely understood the words of a Russian author, *Kozma Prutkov*:

Kozma Prudkov

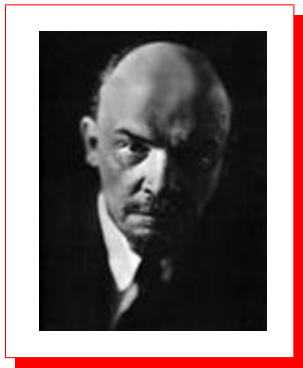


Who said:

Impossible to embrace
unembraceable!

He wrote these words in XIX century (though, by the way, never existed...; see also slide 3)

Another Russian author, Vladimir Lenin,



(who unfortunately did exist)

wrote:

Electron is as inexhaustible
as atom.

... unembraceable, inexhaustible ...

I am sure that these words are *in extenso* applicable to the person whose anniversary we celebrate these days, to Volodya Rubtsov.

Just have a look:



An outline

So, had to confine myself just to few topics:

- ▶ Volodya's friends
- ▶ Volodya's collaborators
- ▶ Volodya's erudition

and shall try consider them briefly below.

Volodya's friends

I began with a seemingly simple question: Why am I here?

Not 'Here' in a high philosophical sense, but just here, in Trieste, at VolodyaFest?

The answer looked obvious: Because we are friends.

But it was not so simple at all, when I did some net browsing:

Volodya's friends (a sample)



Volodya's friends

Quite soon T_EX capacity was exceeded, as well as mine.

I also noticed that Facebook...

Volodya's friends

The image shows a screenshot of a web browser displaying a Facebook profile for Vladimir Roubtsov. The browser tabs include Firefox, Gmail, and several Wikipedia pages. The Facebook page header shows the user's name, a search bar, and navigation links. The profile picture shows a man in a light-colored shirt. The name "Vladimir Roubtsov" is prominently displayed, along with a "Friends" button and a "Message" button. Below the name, it says "Born on 21 May 1952". There are buttons for "18 mutual" friends and "Friends 90". A "Photo" button is visible. The activity feed shows a recent event: "Vladimir became friends with Marina Prokhorova." Below that, it lists "Friends" with "18 Mutual Friends" and "See All". A list of mutual friends includes Gais Habout, Julia Roubtsova Hewitt, Zina Predovskaya, and Victor B. Fleming. On the right side, there are sponsored ads for "Мир любимого кино" and "VITAWIN". A "Now" section shows a timeline from May to Born. At the bottom right, there is a "Chat (10)" button.

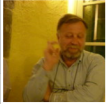
firefox - Inbox - josephkra@gmail.com - ... - Vladimir Roubtsov - W Moduli space - Wikipedia, the fr... BBC Russian - В мире - Победи... Яндекс.Словари

www.facebook.com/vladimir.roubtsov/?ref=ts

BBC UEFA Live Ceska TV архив FB GDEQ Gmail OS ЧБ ЕГ ДОЖДЬ СБ ЭХО Я Translate

facebook Search for people, places and things

Иосиф Красильник Find friends Home

 **Vladimir Roubtsov** Friends Message


Born on 21 May 1952

About

Post Photo

Share

Activity Recent

 Vladimir became friends with Marina Prokhorova.

Friends 18 Mutual Friends See All

Gais Habout Julia Roubtsova Hewitt Zina Predovskaya Victor B. Fleming

Sponsored See all

Мир любимого кино youtube.com

Классика советского кинематографа. www.youtube.ru/morfim

VITAWIN

Привести тело в форму легче со спортивным питанием. Присоединяйся к экспертам!

Like · 127 people like this.

Сбербанк: Банк друзей

Друг спорит на 10 руб: если вы дадите ему 500 руб, он отдаст 1000. Вы бы заключили пари?

Like · Гуляшнт Уразалиева likes this.

Now

May

2012

2011

2010

2009

2008

2007

Born

Chat (10)

Volodya's friends

... could cope with managing the Universe of Volodya's friends either and opened a second copy of his account. So, from time to time you can observe in your timeline the following message:



Vladimir Rubtsov and Vladimir Rubtsov like your comment

With these observations at hand, I was able to state the following result:

Volodya's friends

Theorem (JK, 2012)

Let U denote any reasonable set of human beings and F be the set of Volodya's friends. Then

$$\mu(U \setminus F) = 0,$$

where μ is any reasonable measure.

A straightforward consequence is

Corollary

If you are not a friend of Volodya you do not exist with probability 1 and most surely never existed.

(See also slide 24.)

Example

Kozma Prudkov (see slide 5).

Volodya's collaborators

My attempts to compile a complete list of Volodya's co-authors failed also. What I could do was a first approximation only that looks as follows:

Voolodya's collaborators (just some)...

Giovanni Ortenzi,
Serge Roméo Tagne Pelap,
Vladimir Retakh,
Ugo Bruzzo,
Alexey Silantyev,
Dmitri Talalaev,
Alexander Chervov,
Gregorio Falqui,
Yvette Kosmann-Schwarzbach,
Stanislav Pakuliak,
Vasiliy Dolgushev,
Benjamin Enriquez,
Lucio S. Cirio,
Paolo Rossi,
Alexander Odesskii...

...collaborators (just some)...

Harry Braden,
Alexander Gorsky,
Vladimir Fock,
Nikita Nekrasov,
Boris Feigin,
Alexey Kushner,
Valentin Lychagin,
Alexander Orlov,
Sergey Khoroshkin,
Andrey Radul,
Ian Roulstone...

Voolodya's collaborators

I shall not be surprised at all if sooner or later we'll find something like

- Vladimir Rubtsov & Simón Denis Poisson,
*A family of Khoroshkin-Radul structures
on Hermitian symmetric spaces...*

or

- Vladimir Rubtsov & Gaspard Monge,
*Lychagin-Ampère geometry arising in some models
of turbulent flow dynamics in two and three dimensions...*

We'll see.

Volodya's erudition

It is no secret that Volodya knows and remembers in detail everything (and even more), including

- ▶ people
- ▶ events
- ▶ references
- ▶ books
- ▶ films

and whatsoever.

Examples are presented below.

Volodya's erudition (example)

Example

Me: Do you know anything about Poisson brackets on the moduli space of Poisson manifolds?

[certainly, a silly question, just a polite way to conceal your own stupidity]

V.: Well, you'll be surprised, but as a matter of fact I do. . .

[I am not surprised at all, I'd be surprised if he didn't know]

Me: ?

V.: There was a paper by Green, Smith, and Brown in Posthumous Transactions of South-North-Eastern College, volume 127, pages 123–132. By the way, the authors are very good friends of mine.

Me: Interesting results?

V.: Well, this is more or less straightforward generalization on the result by Ivanov, Petrov, Sidorov published in Ivanono-Petrovks Technical School Archive, Ser. 3, pages 228–777. By the way, I know the authors very well, nice guys.

Me: *[silence]*

Volodya's erudition (another example)

In some cases Volodya's memory exceeds the Reality and tactfully corrects the latter:

Example

V.: Best regards from Mohammed Shapiro.

Me: Thanks a lot, of course, but who the hell is this guy?

V.: Well, don't you remember: we met him in Tambov when we were there in 1978, 4th of July, it was Saturday.

Me: But I have never been in Tambov!

V.: No, you simply forgot. We were sitting in the University café and you said, while Mohammed noticed. . .

... and so on and so forth.

But it's time to finish.

Conclusions

I return back to my initial question: Why am I here? (And due to the Corollary — slide 2 — *Here* also.)

Actually, the answer is simple:

- ★ Because Volodya is my dearest friend,
- ★ Because he is a constant, a conservation law
in this changing and unstable world,
- ★ Because...
- ★ Because...

MANY HAPPY RETURNS
OF THE DAY!
BE HAPPY!

...

MANY HAPPY RETURNS
OF THE DAY!
BE HAPPY!



MANY HAPPY RETURNS
OF THE DAY!
BE HAPPY!

...

MANY HAPPY RETURNS
OF THE DAY!
BE HAPPY!

...

... and take it easy

