

9:00 Informal question and answer exchange
with programmers--152 Polya Hall

11:00 Talk with Niklaus Wirth, Wirth's
office. Lunch with Wirth.

1:30 Visit Suppes' project, Pine Hall
2:30 Preparation for talk
3:45 Coffee Hour in 152 Polya Hall
4:15 Yershov to talk in 111 Polya Hall
5:30 Colby Demonstration, Colby's office

Dinner with Forsythes

126-87

СССР
Новосибирск 90
Вычислительный центр

²³
16 марта 1966 г.

Дорогой д-р Вирт!

Благодарю Вас за рукопись статьи о возможном преемнике АЛГОЛа. В то же время появление этой рукописи наводит меня на вопрос: не означает ли это, что Вы не будете готовить для ярельского совещания предложений по АЛГОЛу X? Каково Ваше мнение об "ортогональном методе описания и конструирования алгоритмических языков"?

Я был бы благодарен Вам за ответ на эти вопросы, т.к. помогли бы мне лучше ориентироваться в ситуации, связанной с АЛГОЛом X.

С уважением

А.П.Еризов

11.7.66

B2 - 118

STANFORD UNIVERSITY
STANFORD, CALIFORNIA 94305

COMPUTER SCIENCE DEPARTMENT

Telephone:
415/321-2300

July 1, 1966

Dr. A.P. Ershov
Computing Center
Siberian Division
Academy of Sciences
Novosibirsk, USSR

Dear Dr. Ershov,

I have received for review a translated copy of a report on ALGEC, by M.A. Korolev. I assume that you are familiar with this work, and should like to know whether the document has received any official status in your country, and whether the language has been implemented on some computer. What were the experiences with the language? Have you also been involved in its development?

With respect to ALGOL and WG.2.1 progress moving slowly. You have no doubt received the joint letter issued by the Subcommittee at the Kootwijk meeting, as well as the CS 35 Report containing the revised Hoare-Wirth proposal. I would appreciate to know your reactions to it. We are now implementing this language on the IBM 360 here at Stanford. This is an interesting, but arduous experience, and I only hope that whatever is being accepted as ALGOLX will have previously gone through the tests of implementability.

Hoping to hear from you soon.

Sincerely yours

Niklaus Wirth

Niklaus Wirth
Assistant Professor

NW:nc

СССР
Новосибирск 90
Вычислительный центр

29 июля 1966 г.

Дорогой проф. Форсайт!

Недавно Президиум Академии наук предложил нам изложить наши соображения о программе научных обменов на 1967 год. Естественно, что мы сразу же дали ход Вашему приглашению меня в Стенфордский университет. В отношении этой поездки еще не принято никакого решения. Не исключено, что на принятие этого решения сможет повлиять довольно напряженная политическая ситуация. Тем не менее я серьезно готовлюсь к моей возможной работе в Стенфорде и хотел бы изложить Вам некоторые исходные предположения.

Я предполагаю, что приеду в Стенфорд в начале февраля 1967 г., без семьи и пробуду здесь 6 месяцев. Возможно, что общий срок пребывания придется сократить, но я буду добиваться выезда не позже начала февраля, чтобы более полно использовать период учебных занятий у студентов. Во время моего пребывания в Стенфорде я хотел бы прочесть курс, который будет называться "Алгебра программирования". В основном этот курс будет включать в себя систематическое изложение теории формального преобразования программ с сохранением тех или иных видов эквивалентности. Интенсивность чтения курса - 2 или 3 часа в неделю. Более подробно содержание этого курса (с подготовкой проспекта) а также характер моей возможной научной работы в Стенфорде я надеюсь обсудить с профессором Маккарти, с которым я увижуясь в августе в Москве, и с профессором Виртом, которого я надеюсь увидеть в октябре в Варшаве. Больше мне, пожалуй, пока нечего сказать, потому что более детальное обсуждение имеет смысл вести, когда перспективы с поездкой станут более определенными. Я однако готов ответить, насколько это будет возможно, на любые Ваши вопросы, которые у Вас смогут появиться. Я с большим удовольствием вспоминаю мое короткое но памятное посещение Стенфорда, очень рад новой возможности встречи с Дж.Маккарти и Н.Виртом и, конечно, мечтаю, чтобы наши с Вами планы осуществились.

С глубокимуважением

А.Ершов

Я хотел бы напомнить Вам о давнем разговоре в отношении приглашения Вас в Академгородок. В соответствии с высказанным Вами пожеланием о том, что 1967 год для Вас более предпочтителен, чем 1966 г., проф. Марчук, насколько я знаю, готовит приглашение для Вас в Вычислительный центр в 1967 году. Г.И.Марчук после возвращения из отпуска, по-видимому, напишет Вам, так что мое сообщение не требует от Вас формальной реакции. Однако если Вы до Вашего формального ответа покажете что-либо выяснить в предварительном порядке, я буду рад Вам помочь.

Передайте сердечный привет Эду Файгенбауму и, при случае, спросите, получил ли он мое письмо, которое я послал ему 20 июня.

С глубоким уважением

А.Ершов

Р.С. Я с большим интересом и некоторой грустью прочитал Ваш прощальный адрес членам Эй-Си-Эм. Я глубоко согласен с Вашими мыслями, высказанными в этом адресе. Я перевел на русский язык Ваш отчет о вычислительной науке в Стенфордском университете и показал его многим моим коллегам. С этим отчетом нам теперь легче будет решать наши проблемы организации вычислительных наук в нашем университете.

А.Е.

126-47

СССР
Новосибирск 90
Вычислительный центр

30 июля 1966 г.

Дорогой д-р Вирт!

Благодарю Вас за письмо от 1 июля. Отчет И.А.Королева об АЛГЭКе является предварительным описанием этого языка. Полное описание АЛГЭКа, авторами которого являются 6 или 7 человек, опубликовано совсем недавно во 2-ом номере журнала "Кибернетика" за этот год. Хотя этот язык имеет своих авторов, тем не менее он разрабатывается под контролем группы ГАЯПЭИ. ГАЯПЭИ (Группа по Алгоритмическим Языкам Переработки Экономической Информации) - это Рабочая группа, организованная в рамках многостороннего сотрудничества Академией наук ряда социалистических стран.

Я сейчас не помню, уже утвержден или должен быть утвержден группой ГАЯПЭИ тот текст, который опубликован в "Кибернетике". Душой АЛГЭКа является д-р И.А.Королев - профессор Московского экономико-статистического института. Несколько лет тому назад он провел почти год в США в Мичиганском университете.

Опыт работы с языком еще совсем небольшой. Планы разработки трансляторов для него мне известны достаточно хорошо. Я знаю только, что, кажется, Центральный экономико-математический институт АН СССР собирается реализовать этот язык. Сам я к этому языку не имею никакого отношения.

Я пока не в состоянии ответить на Ваш вопрос насчет оценки Вашего проекта АЛГОЛа X. Приближается время, когда от общих слов пора переходить к детальному анализу предложений. Этим я, по-видимому смогу заняться только через месяц, после окончания отпуска. Из института мне сообщили, что Вейнгаарден прислал свой вариант АЛГОЛа X, но я его еще не видел. Видно по всему, что Рабочей группе предстоит в Варшаве тяжелая работа.

С искренним уважением

А.Ершов

127-196

USSR
Novosibirsk 90
Computing Center
August 15, 1967

Dear Dr. Wirth,

Thank you very much for your report "A programming language for the 360 computers", I finded it very interesting. I am sending you our paper on SYGMA language which I have mentioned in Zandvoort about.

Sincerely yours

Andrei Ershov

8.1.69

139-284

December, 1968

Dear Friends,

Glancing back over the past year I begin to ask myself what in the world I have got to tell you about us; there were no overseas trips, no moves, no new babies... we seem to be more settled than ever. But still, we had a busy and satisfying, sometimes even an exciting life.

I guess the most exciting, in a way also the most frustrating weeks were during last February, when we were faced with the following dilemma: on one side Klaus was offered a very attractive opportunity in the US and one in Canada, on the other there was a door opened in Zürich, promising a more satisfactory position than the present Assistant professorship at the University, where he felt quite isolated. After a couple of sleepless nights and many talks with colleagues, Klaus decided to give Zürich another try and he accepted a joint associate professorship at the Eidgenössische Technische Hochschule (ETH) and the University of Zürich. An essential reason for this -as it turned out, happy decision- was that we like our life here, where we have just started to build up a new circle of friends -in short: it would have been too energy-consuming to be moving again. Klaus is quite pleased with his new position at the ETH and is very much involved in building up sort of a Computer Science Department. With the help of his colleagues and an understanding University-president, there have already been some important developments.

Now that an important decision about our future has been made, we have to look for permanent housing. What an idea for someone who has moved 3 times during the past 10 years! In spring we started looking around. There were some houses for sale. But at what exorbitant prices! We decided, that if we had to pay a fortune for a house, we might as well have one built according to our own needs and dreams. But also the landprices are so exaggerated, that you get dizzy at merely reading the numbers. Our wish was to be able to stay in the same region, because of its convenient location and because we like the country around us, as well as the people who live here. To our own amazement the empty lot just next to our house turned out to be for sale. So now we can invite you all to come and see us after September '69 in our own brandnew home.

Before Easter we brought the children to their grandparents and set off to a 10 day's trip up North, just the two of us. It was marked by several busyness stops, but they didn't interfere with the pleasure we got out of the time in between. The nicest thing was that we were able to visit many friends. Near Stuttgart we stayed with the Webers. For Klaus this was nothing exceptional, as he went there about every 2 weeks during the past year, in connection with his lectures at IBM Böblingen. In Darmstadt we visited Sigrid and

Günther Schmidt, also back from Mt. View, Calif. Along the Rhine -always travelling by train- we proceeded to Holland. We enjoyed true Dutch hospitality at the Dijkstra's house in Eindhoven. Over the weekend we had a look at Düsseldorf's night-life and at the Stollwerck's Family-life. At all our stops we were given sight-seeing tours, but the most important for us were the get-togethers with our friends, the exchange of news and views and, as we knew most of them from America, the revival of old memories. Our next stop was Copenhagen. I had never been there before and thus took the opportunity, while Klaus was talking "computers", to do a lot of sight-seeing and of course window shopping. I loved the almost Southern atmosphere of the town with its generous boulevards and great squares, the wind blowing, the smell of fresh sea air. And I indulged in the sight of all the exquisitely taste-ful handicrafted things at the stores.

For a change it was Europe who had a "hot summer" this year,-despite of the cold weather. Zürich, having to defend her image as a metropolis, got her share too. It was the first time that Zürich's youth revolted openly -and I guess it was about time. Not that I would approve of all of the motives, nor of the ways the kids fought their battle. But at least the "Zürcher Unruhen" gave opportunity to rock at the foundations of our sturdy establishment. They were the beginning for a lot of discussions and hopefully for some changes to come.

There wasn't much time for family vacationing this year. On one side we feel that we actually live in a vacation spot already, and therefore don't need to go elsewhere in order to enjoy life, and on the other hand Klaus was away during August, attending the IFIP-Congress in Scotland, and thereafter lecturing in Denmark and Finland, so that he was glad to come back home and do some work at his own desk. Five days of regatta sailing and several sailing weekends during the summer months served as days of relaxation. Waiting during the whole summer for a few sunny days in a row to take a trip to the mountains, we approached middle of October before we could start. Klaus had to give a lecture in Lausanne, and we chose this as the opportunity for our long planned trip. To our surprise we had wonderful autumn weather almost throughout. We went hiking over mountain meadows, drove over passes from valley to valley, and were fascinated by the versatility of the Swiss mountain regions. Almost every major valley is different from the next, in structure and vegetation, as well as regarding their inhabitants, their architecture and customs.

Right at the beginning of the semester, Klaus was forced to take a different kind of "vacation": for 2 weeks he endured his "green holidays" (military service); the first since 11 years! He was plagued mostly by getting up at 4 or 5 a.m. and then killing time while thinking of the load of work waiting at home.

During the year we enjoyed the celebrations of feasts and birthdays in the enlarged family circle. The grand

mothers in particular are devoted to our youngsters and are always ready to babysit; the person most happy with this arrangement, no doubt, is the mother!

The children are growing at an amazing rate. Chris just knows from hearsay that he had lived somewhere else not too long ago, while Carolyn still remembers America. Suddenly she comes up with some odd event or name, that I had almost forgotten myself,. But the children are both perfectly happy here. They have reason to be: with the garden, the fields and woods to roam around, the street with all their dear friends they really live in a paradise. Carolyn's only sorrow is that she can't go to school. She would be absolutely ready for Kindergarten, but the public one is so over-filled, that the children cannot start before 5 and therefore she will have to wait another year. nursery schools are not customary here and so both children are usually at home. Chrissy has no desire to be anywhere else. He is always busy experimenting. He likes the company of the other children, and specially of his sister, but he is just as happy by himself, whereas Carolyn is the socialite. Gifted with a lot of imagination she has her make-belief company around, or she can at least reach it anytime through her play phone, if real company is missing. She is developing into quite a little artist: once a week she attends a painting class at the local Kindergarten and seems to go there with great enthusiasm -specially, as it turns out, because she can play with the dolls after having cleaned up! We are subject to daily amazement, watching each of the children grow in his own way: Chrissy developing his skills and Carolyn making intellectual progress. They are a source of -almost constant- joy, a joy which leads us, like a golden marking line through these gray November days, and through the year.

We hope, that your life looks as pleasant and satisfying as the one just described. We hope too, that 1969, in contrast to this ending year, which bore too many agonizing events and experiences on the world-wide scene, will bring many pleasant surprises for everybody. Last but not least let me tell you that we are hoping for another influx of visitors from far away, making it possible to preserve old friendships.

Thank you for your New Year's greetings. I am sending you our "Circular Letter", and hope that it may be of some interest to you. I should very much appreciate to hear from you again. What is going on at Novosibirsk in Computer Science?

With best regards

Niklaus Wirth

Please note my new address:

Fachgruppe Computer-Wissenschaften
Eidg. Technische Hochschule
Leonhardstr. 33
8006 Zürich

84.3.36

205

Computing Center
Novosibirsk 630090
USSR

November 17, 1972

Prof. E. Engeler
Zurich

Dear Prof. Engeler,

Thank you for your letter of September 19. It is all right with your manuscript. The Russian version is now in Nepomnyashchiy's hands as an editor; the English version is going to the Springer Verlag for publication in the "Lecture Notes" series.

It is a very good idea about visiting your Hochschule. There appeared some additional connections with your institution because of our plans to implement Pascal language (I will communicate with Niklaus Wirth on this subject).

Combining this two issues I think that getting a chance to send as a visiting staff-member (or any other statut) Mr. Sergei Pokrovsky (he speaks fluently English and French, and is interested in theory of language semantics and Pascal itself) would be a very good opportunity for us.

Yours sincerely,

Andrei Ershov

PS. It is also my great gesire to visit Schwitzerland but, because of schedule problems, only 1974 or 1975 gives me a good chance.

Computing Center
Novosibirsk 630090
USSR

May 2, 1975

Prof. N. Wirth
Zurich

Dear Professor Wirth:

I would like to express my appreciation for sending some materials on Pascal language to us. You might know, from Mr. Pokrovsky correspondence, that we have chosen Pascal as the source language for our trial implementation of Beta system - a universal optimizing programming processor a design philosophy of which had been described in Proceedings of the Algol 68 implementation conference.

There are some other groups in the USSR that are interested in implementations of Pascal. We now are near to completion of a Russian translation of the revised specification of the language. If it could be of interest to you, we will keep you informed about any reasonable progress in our implementation. From our side, we will be glad to receive any publications or other available materials from your group.

With my best regards

Andrei Ershov

by

128-312

Л-р 630090
СССР

Декр, 1973г

Проф. Н. Норт вицт
Вибрив

Дорогой проф Вицт:

Я буду рад отрапорту басову архивант
по имеющейся ^{наст.} исходной мате-
риале по архиву Глаукон. Вн исходни
берет, и в частности императора Павла
Свого, это все ~~дело~~ Содружества
России. В работе национального
архива мне находитца предсто-
ящий состояния ВЕТА - универсальный
цифровизированный программно-
процессор, способствующий обработке
которого начиная с трудами кон-
цепции из французской Академии 68.

Это центральное здание группы в СССР
занимавшихся, в частности
Глауконом. Для сего же делается
перевод русского перевода
перепечатанной следующими строками
Если это заинтересует Вас, под-
берили бы Вы в курье Францоп-
исьеслав Вас о некоторых памятни-
ках предких симеонов в наше время
известных. С наилучшими приветами, Ваш

Бирзее рака могуши чекогоре
нуржинская и сибирь чекогоре
в красной армии старший
ст. Валентин Чукин 128-313

С извинением просим

Игорей Ефимов.

4.6.73



140-167

Eidg. Technische Hochschule Zürich
Fachgruppe Computer-Wissenschaften
Clausiusstrasse 55
CH-8006 Zürich

Professor Andrei Ershov
Computing Center

Novosibirsk 630090

USSR

May 25, 1973

Dear Professor Ershov,

I thank you very much for your letter of May 2. Of course, I am always interested to hear about your work, and particularly, if it concerns an implementation of PASCAL. Also, if a Russian translation of the Report is available, I would like to be informed of it, since I plan to maintain a list of literature on PASCAL (see enclosure). And of course your name is on our mailing list.

If at any time you see a possibility of visiting Zürich - either on a stopover or for a longer time, please let me know!

With best regards,
yours sincerely

Niklaus Wirth

Prof. Niklaus Wirth

NW:ht



IFIP Congress 80

8th World Computer Congress



Program Committee

REVIEWER'S REPORT

200-221

Reviewer's Name: N. Wirth (17)
 Address: Institut für Informatik ETH
CH-8092 Zürich

Return paper and this form to me

by Febr. 1, 1980

Date

to Technical Area Chairman:

Prof. A.P. Ershov
Computing Center
Novosibirsk 630090
USSR

Note: If paper is not in your field, or you are
 unable to review it by above date,
 please return it immediately.

ASSESSMENT

| | Poor | Below Average | Average | Good | Very Good |
|---|------|---------------|---------|------|-----------|
| Originality | | | x | | |
| Clarity | | x | | | |
| Information Content | | x | | | |
| Subject's Suitability for IFIP Congress | | | | x | |

Confidential comments for Committee use only:

Discussion of programming concepts and their comparison with respect to "power". This requires that these concepts first be precisely defined. Not the case in this paper! But even so, one can find some contradictions. Hazy terminology. English style needs substantial rewriting.

Will paper require much editorial rewriting?

 yes no

Too much confusion between abstract concept and concrete implementation.

N. Wirth

Overall Judgment:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | x | | | | | | | |

0-2 unacceptable, 8-9 recommend strongly

Corrections or suggestions for transmittal to author(s):

Suggest to use an appropriate high-level, but well-defined notation. Then a presentation of canonical examples, exhibiting "power" of these concepts. Then it can be seen which effects expressible by one facility can also be expressed by others (and how!) and which ones cannot.

p. 3 claim that coroutines and backtracking are most fundamental.
 p. 5: backtracking = special instance of recursive procedure \Rightarrow
 rec. proc. is more fundamental \Rightarrow contradiction with

It should not be necessary to insert considerations of (Fortran) implementation to support the comparison of the facilities' power.

(If additional space is required, use lower half of reverse side of this sheet.)

Author(s): M. Arisawa

Serial Number

Title of Paper: Coroutines and Backtracking

3 - 046

317-159

Computing Center
Novosibirsk 630090
USSR

September 16, 1980

Professor N. Wirth
ETH, Institut fur Informatik
CH-8092 Zurich

Dear Professor Wirth,

This is a letter of recommendation. Recently I conducted a conference on programming in Palanga, a see-town in Lithuania. There I have met a lecturer of Kaunas Technical University, Eimutis Karčiauskas, who works there in programming for microprocessors. He has developed a macroassembler for various kinds of microprocessors and more recently got involved in the development of a compiler for a higher level source language. As I understand he succeeded in obtaining a fellowship from the Swiss Federal Commission on fellowship for foreign students to spend a year in a Swiss university or TH. Mr. Karčiauskas wants very much to work in your group and has reasonable ideas what to do. Certainly, the choise of a site for study cannot be a one-side decision and requires some mutual agreement and interest. I have no idea about your general policy to postgraduate work with foreign students but if you adopt them in principle, I am sure, Mr. Karčiauskas is competent and enthusiastic enough to make a good study or design. As I understand, his documents are in a possession of the Federal Commission.

I would be rather thankful if you could consider this matter.

With my best wishes, I remain,
sincerely yours

Andrei Ershov

13.7.81

189-6

PROFESSOR NIKLAUS WIRTH
INSTITUT INFORMATIK ETH
CLAUSIUSSTRASSE 55
ZURICH SUISSE

ON OCCASION LAUSANNE EDUCATION CONFERENCE MAY I PAY ONE-DAY
VISIT TO ETH TO MEET YOU AND PROFESSOR ENGELER

REGARDS ANDREI ERSHOV

Профессору Никлаусу Вирту
Институт информатики ВШ
Клаузиусштрассе 55
Цюрих, Швейцария

По случаю Лозанской конференции по обучению могу ли я на день
заехать в Цюрих для встречи с Вами и профессором Энгелером

С уважением, Андрей Ершов

630090 Новосибирск Заря

Ученый секретарь, к.ф.-м.н.

А. В. Шербаков

13.07.81

10.3.83

ETH

EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE
ZÜRICH

Institut für Informatik

Claussusstrasse 55
Durchwahlnummer 01 256 22 28
Telefonzentrale 01 256 22 11

Postadresse:
Institut für Informatik
ETH-Zentrum
CH-8092 Zürich

396-344

1610

Professor Andrei Ershov
Computing Center

Novosibirsk 630090, USSR

February 28, 1983

Dear Professor Ershov,

Thank you very much for enquiring about reprinting my paper (report) on Modula-2, to which I gladly consent, since it is a non-profit publication of your Institute.

I should like to point out that the Report is also contained in a book entitled "Programming in Modula-2", published by Springer-Verlag in 1982.

With best regards,

N. Wirth

Prof. Niklaus Wirth

encl

477-91

~~ESTON~~
Reston, Virginia
November 15

Dear Niklaus

Here are the requested abstracts.
I am in the US at the end of a fantastic 20-day trip with 20 computer-oriented students from 13 to 21 year (DC area, SF ~~area~~ and Seattle, one week each)

Coming back home I will start direct preparations for a trip to Switzerland. Happy to admit that my health allows me to do so

Best wishes

Andreas Ershov

A.P.TIKHONOV

Com. Cyber
Novosibirsk Library
1988

Mixed computation and its application to compilation.

Mixed computation (partial evaluation) is projection ~~of~~ of a program onto a part of its ~~input~~ input data. If the program is a program processor then mixed computation can be used as a mean of program transformation.

It is now well known that the projection of a source language interpreter onto a source program yields the object code; projection of the mixed computation processor onto a source language interpreter yields the compiler; and projection of the mixed computation ^{processor} onto itself yields a compiler/compiler.

The potential benefit of ~~getting~~ such functional relations is, however, undermined by the fact that compilers obtained by such a straightforward application of mixed computation are ugly ^{and} inefficient.

In our preliminary study we try to make a step further and investigate which efficient compiler structures and ad-hoc techniques can be obtained systematically by means of improved universion in the mixed computation processors.

Mixed computation and its application to compilation

Andrei P. Ershov
Computer Center
Novosibirsk 630090
USSR

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Algorithmic notation for general education

Audrey Ershov
Camp Center
Novosibirsk 63002
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We believe that algorithmic ~~language~~ notation is equally important for general education as compared with mathematical notation.

We try to identify important distinctions as well as analogies between algorithmic notation, mathematical notation and programming languages.

We argue that a carefully chosen algorithmic notation has to become a ~~method~~ in an integrated mathematics/informatics course for 7-10 graders and proceed precede any "to "production" programming language.

A variant of algorithmic notation chosen for Soviet schools is presented and discussed.

MRAMOR: an intelligent professional workstation

Andrei P. Ershov
Computer Center
Novosibirsk, 630090
USSR

In the experimental design of this professional workstation we have tried to explore and implement the following ideas:

- multiprocessor architecture combining functional orientation of processors with dynamic switching of an idle processor to a task in demand;
- variable and controllable relation between interpretation and compilation in the programming system;
- tool kit rather than integrated system approach to the development of the application software;
- adaptable worksite environment growing together with user's needs and comprehension.

112-116

PROFESSOR NIKLAUS WIRTH
INFORMATICS INSTITUTE
CLAUSIUSSTR 55
ZUERICH SUISSE

APPLIED FOR THREE WEEKS VISA FROM FEBRUARY 8TH PLEASE
ACKNOWLEDGE THE DATE AND ABSTRACTS RECEIPT

BEST XMAS WISHES

ANDREI ERSHOV

Профессору Никлаусу Вирту
Институт информатики
Клаузиусштрассе 55
Цюрих, Швейцария

Запросил визу на три недели с 8 февраля. Прошу подтвердить
дату и получение тезисов.

С новогодними пожеланиями

Андрей Ершов

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Ученый секретарь, к.ф.-м.н.

В.А.Чеверда

24.I2.86

28.2.87

112-109

April 18

Dear Heinz

Sincerely

Greetings from Switzerland. I am still here for another three wks (as related to the USA trip) those (and quite different as compared with the US visit) three weeks as K-Wirth's guest.

Many thanks for the Xmas card. The year has been still very active, indeed. The trip with children to the US (Wa DC, San Francisco, Seattle) was just fantastic, very fruitful and successful and rich by everything professionally and rich and deep emotionally socially.

To-morrow I fly back

Best wishes

Anneliese