My Maple Users Group message *re* my public lectures, and requests subsequently received.

From: "John B. Cosgrave" <johnbcos@iol.ie>
Subject: [MUG] Public lectures using Maple
To: maple-list@daisy.uwaterloo.ca
Date: Wed, 13 Nov 1996 11:29:00 GMT

Dear Maple Users,

On 23rd. Oct. and 6th. Nov. I gave two public mathematics lectures at my college. I used a 486-computer with a projector link-up, and in both lectures I used Maple (just the student version of MapleV-Release3). The subjects of the lectures were:

Lecture One: The recently discovered world record prime (2^1257787 - 1).

Lecture Two: Primes and public-key cryptography.

My two lectures got good publicity in the leading daily Irish newspaper, the *Irish Times*, and there were about seventy people at each lecture. I made a really serious attempt to explain to a *public* audience.

I am offering to send the texts of these two lectures to anyone in the Maple Users Group who is interested. Anyone who wants the texts will have to contact me directly as I don't have a ftp-facility. I will send the texts as .ms files with the output removed, with an e-mail message, and the recipient can re-execute both worksheets. A possible difficulty will be with 'strings' in the 'to_number' and 'from_number' procedures (I used the ones sent to me by Joe Riel some months ago); so, some reformatting may be necessary. Also please allow some time for me to send the material to you as I am very busy at work.

In the first lecture I sketched the historical background to the discovery of the recent record prime (briefly: Euclid on abundant, deficient and perfect numbers; the consequent search for primes of the form $2^p - 1$; the futility of the Eratosthenes approach; the contribution of Euler, and finally the Lucas-Lehmer theorem), and used Maple to illustrate all stages.

In the second lecture I gave a very brief history of cryptography prior to Diffie-Hellman and Rivest-Shamir-Adleman, followed by a 'mathematical interlude' (modular exponentiation), followed by a brief description of the Diffie-Hellman idea of public-key cryptography, and a 'cookbook' for RSA public-key cryptography, etc.

Best wishes to you all,

John B. Cosgrave, Department of Mathematics, St. Patrick's College, Drumcondra,
Dublin 9, IRELAND. Home e-mail: johnbcos@iol.ie

———————————

Requests from:

1. From: Lindsay Hollister <lhollist@maplesoft.com>
Date: Fri, 15 Nov 1996 13:52:35 -0500 (EST)

Dear Dr. Cosgrave,

I would be interested in receiving these worksheets. With your permission, I can make them available here internally at Waterloo Maple. It is good to hear that you are finding Maple useful.

Lindsay Hollister, Technical Support Analyst, Waterloo Maple Inc.

2. Date: Fri, 15 Nov 1996 14:08:17 -0500
From: mpbsma@ritvax.isc.rit.edu (MAURINO P. BAUTISTA, Ph.D.)

I teach a Computer Methods Course for senior mathematics majors using Maple and I would be very happy if I can get a copy of your lectures. Thanks a lot in advance. Perhaps you can also post them in the Maple Share archive!

Mao Bautista, Department of Mathematics, Rochester Institute of Technology

3. Date: Fri, 15 Nov 1996 11:28:30 -0800
From: monagan@cecm.sfu.ca (**Michael Monagan**)

Dear John,

I'd like to see the worksheets of your lectures.

Mike

4. Date: Fri, 15 Nov 1996 13:42:25 -0600
From: place@cstp.umkc.edu (Prof. Jerry Place)

I would be very interested in receiving your lectures.

Thank you,

Jerry Place, Assoc. Prof. of Computer Science, Computer Science Telecommunications Program
U. of Missouri - Kansas City, 5100 Rockhill Road, Kansas City, MO 64116, USA
Home Page: http://www.cstp.umkc.edu/users/place/home

5. From: My Account <me@leidecker.gsfc.**nasa.gov**>
Date: Fri, 15 Nov 96 15:42:15 -0500

Dear Professor Cosgrave,

Thanks for mentioning your lectures. As a guy who professed Physics for 16 years at The American University (I then transferred to my present job of fixing sick spacecraft), **I applaud giving such lectures as you mention - serious talks to a public audience on topics that have import for our daily and intellectual lives**. Best of fortune to you.

Henning Leidecker

6. From: Bob Murphy <murphy@math.sc.edu>
Date: Fri, 15 Nov 1996 16:18:25 -0500 (EST)

John,

I'm very much interested in your maple worksheets on cryptography as well as the record prime.

I just went to the ICTCM conference in Reno, Nevada where Y.L. Cheung also used Maple to look at RSA cryptography. He left before I could get the Maple code or his email address but it seems that he also used Joe Riel's program since he used to_number and from_number for his variables.

Thanks for sending them to me when you become less busy.

Bob Murphy (murphy@math.sc.edu)

7. Date: Fri, 15 Nov 1996 16:53:52 -0500
From: Dan Dubois <**ddubois@maplesoft.com**>

Cc: **support@maplesoft.com**

Dear Dr. Cosgrave:

We would be interested in receiving these worksheets. **Can we make them available to other Maple users requesting them in the future?**

Sincerely, Dan

Daniel Dubois (**Technical Support Manager**),**Waterloo Maple Inc**.
www : http://www.maplesoft.com

Later:

Date: Mon, 18 Nov 1996 16:29:04 -0500
From: Dan Dubois <ddubois@maplesoft.com>

Dear Dr. Cosgrave:

Thank you for providing us with these worksheets. Other Maple users may request them from us in the future. I noticed you used Maple V Release 3 to generate these worksheets. Were you aware that Maple V Release 4 is available for many platforms?

Sincerely,

Dan

8. Date: Fri, 15 Nov 1996 14:06:21 -0800 (PST)
From: Michael Jacob Hirsch <mhirsch@MATH.ORST.EDU>

John:

Hello again. I am very interested in seeing your computations involved in the lectures. Thanks,

Michael J. Hirsch

9. Date: Fri, 15 Nov 1996 14:16:08 -0800 (PST)
From: "Gary A. Churchh" <church@netcom.com>

Hi.

Thanks for the offer of the worksheets that accompanied your lectures. I am interested in obtaining copies of these whenever you can spare the time to send them along to me. **I applaud your efforts to make the lectures accessible to the general public; seems to me that there used to be more of this kind of thing (lectures on advanced scientific and mathematical themes designed for a non-specialist audience), but is today a rarity**.

Gary.

10. From: Mike Stecher <Mike.Stecher@math.tamu.edu>
Date: Fri, 15 Nov 1996 16:26:53 -0600 (CST)

Dear John,

Please email me your lectures on cryptography.

Michael Stecher, Dept. of Math., Texas A&M University, College Station, Tx. 77843

11. From: colm@mathcs.emory.edu (Colm Mulcahy)

Date: Fri, 15 Nov 1996 19:17:23 -0500

A Chara,

Would love to see these as offered in MUG list, thanks.

Colm

Later:

From: colm@mathcs.emory.edu (Colm Mulcahy)
Date: Fri, 22 Nov 1996 16:03:18 -0500

This looks GREAT. Are you trying to get it published? Mapletech is one obvious place to try. c

12. From: Man Yiu Kwong <ykman@bc.ied.edu.hk>
Date: Sat, 16 Nov 96 09:37:00 HKT

Dear John,

As announced on MUG on 13 Nov 1996 (Wed), I am very interested in obtaining the texts of the two lectures mentioned in your email.

Thank you very much in advance.

Best regards,

Dr. Yiu-Kwong Man, HKIEd, Dept. of Science & Mathematics, 6 Caldecott Road, Piper's Hill, Kowloon, HONG KONG.

13. From: oliveri@mat520.unime.it
Date: Sat, 16 Nov 1996 08:57:16 GMT

Dear Prof. Cosgrave,

I am interested in receiving the ms files of the two lectures you gave on Mersenne numbers and on public-key cryptography. Thanks a lot for your kindness.

Francesco Oliveri, Department of Mathematics, University of Messina
http://mat520.unime.it/dipmat/oliveri/foliveri.html

Later:

From: oliveri@mat520.unime.it
Date: Tue, 19 Nov 1996 09:13:17 +0000 (GMT)

Dear Prof. Cosgrave,

Thank you very much for sending me the ms files of your public lectures. They are very interesting and very well done.

Sincerely yours,

Francesco Oliveri

14. Date: Sat, 16 Nov 1996 08:35:52 GMT
From: Lew Haddad <lhaddad@dawsoncollege.qc.ca>

I would be grateful to receive copies of your two public lectures. They sound fascinating.

Lew

Lew Haddad, Physics Department, Dawson College, 3040 Sherbrooke W., Montreal QC H3Z 1A4

15. From: "Robert Prince" <RPRINCE@math.uwc.ac.za>
Date: Sat, 16 Nov 1996 11:23:34 GMT+2

Hi John,

I would appreciate copies of the worksheets.

Thank you.

Robert

R N Prince, Department of Mathematics, University of the Western Cape,
Private Bag X17, Bellville 7535, South Africa.

16. From: haraldp@smekk.hit.no
Date: Sat, 16 Nov 96 09:09:53 -0100

Dear Dr.Cosgrave,

Would you please send me the two lectures as .ms files.

Best regards

Harald Pleym

Harald Pleym, Telemark Institute of Technology, Department of Environmental Technology,
3914 PORSGRUNN, NORWAY

17. Date: Sat, 16 Nov 1996 12:18:40 -0800
From: Andrzej Hanyga <Andrzej.Hanyga@ifjf.uib.no>
Organization: Institute for Solid Earth Physics, Univ. of Bergen

Dear Dr Cosgrave,

I would appreciate if you could send me your lecture on public-key cryptography.

Yours sincerely

Andrzej Hanyga, Institute for Solid Earth Physics, Alle'gaten 41, N5007 Bergen

18. Date: Sun, 17 Nov 1996 12:45:26 +0100 (MET)
From: Miguel Angel Vilarin~o <miguel@upcremote110.upc.es>

I am very interested in these texts. Please send them to me.

Thanks!

Miguel Angel Vilariño Monreal
 http://www.pangea.org/~mavilar

19. From: "Gilberto Garcia-Pulgarin" <gigarcia@catios.udea.edu.co>
Date: Sat, 16 Nov 1996 09:05:40 -0500

Please send me the content of the two lecturers you have in October and November about the prime number and cryptography.

Thanks in advance,

Gilberto García-Pulgarín, Profesor Matemáticas, Universidad de Antioquia, Medellín, Colombia.

20. From: "John Oprea" <oprea@math.csuohio.edu>
Date: Sat, 16 Nov 1996 15:58:08 +0000

John,

I would very much appreciate receiving your lectures. Thanks for making them available. There is no hurry; send them when it's convenient. Bye.

John Oprea, Department of Mathematics, Cleveland State University, Cleveland, Ohio 44115, USA

21. Date: Sat, 16 Nov 1996 13:46:57 -0600 (MDT)
From: "Randy K. Rannow" <rkr@uiboise.engboi.uidaho.edu>

John,

I am interested in obtaining a copy of your public lectures using Maple. Please forward a copy to my cc address: rannowr@amethyst.idbsu.edu

Thanks.

Randy

22. From: Laurent.Bernardin@inf.ethz.ch
Date: Sat, 16 Nov 1996 21:58:10 +0100 (MET)

I would be very grateful if you could send me your worksheets on prime numbers and cryptography.

Thanks a lot,

Laurent

Laurent Bernardin, **Institute for Scientific Computing, ETH, Zuerich.**

23. Date: Sat, 16 Nov 1996 19:06:09 -0500 (EST)
From: Eli Prisman <eprisman@yorku.ca>

Dear Sir,
I would very much like to receive these two lectures. Thanks in advance.

Eli

Eliezer Z. Prisman, Schulich School of Business, York University, 4700 Keele St.,
Toronto On. M3J-1P3, Canada. http://www.yorku.ca/faculty/academic/prisman

24. From: Raphael Gillett <rtg@leicester.ac.uk>
Date: Sun, 17 Nov 1996 13:02:17 +0000 (GMT)

Dear John,

If you have time, I would appreciate a copy of the Maple lectures you gave. They sound fascinating.

Regards,

Raphael Gillett, Department of Psychology, University of Leicester, Leicester LE1 7RH, U.K.

25. Date: Sun, 17 Nov 1996 17:41:32 +0100
From: hasse@sm.luth.se (Hans Johansson)

Thanks! I am very interested in your lectures so please send them to me.

Hans

Hans Johansson, Dept of Mathematics, University of Luleå, S 97187 Luleå, Sweden

26. From: "Tim Howard" <thoward@ColState.EDU>
Date: Sun, 17 Nov 1996 14:39:43 EST

Dear Prof. Cosgrave,

I would indeed be interested in the texts of the two talks you gave on prime numbers and cryptography. Thanks for offering.

Tim Howard, Columbus State University.
http://www.colstate.edu/~thoward/welcome.html

27. From: "Peter Koeppel" <koeppel@metronet.de>
Date: Sun, 17 Nov 1996 23:19:32 +0100

Dear John,

I'm very interested in your lectures, because I'm going to write a lecture about factoring large numbers; so I would be very glad to read your texts.

Thanks for answering.

Peter

28. From: "Benno Hubert" <900026@hrz1.uni-oldenburg.de>
Date: Mon, 18 Nov 1996 08:24:13 MEZ-1MESZ

Dear John B. Cosgrave,

I am interested, please send the lectures to my address. yours sincerely

Benno Hubert, Rechenzentrum Universitaet Oldenburg.
Internet: Hubert@Uni-Oldenburg.De
WWW http://www.uni-oldenburg.de/~u900026

29. From: "Freude, W." <freude@ihqsrv.etec.uni-karlsruhe.de>
Date: Mon, 18 Nov 96 09:02:00 W

Dear Dr. Cosgrave,

In the MUG you offered to send the texts of these two lectures to anyone in the Maple. Is it possible for you to send these procedures along with the *.ms files, or can you refer to an internet address where to download this material?

Many thanks in advance.
Sincerely,
W. Freude

Prof. Dr.-Ing. habil. Wolfgang Freude, Institut fuer Hochfrequenztechnik und Quantenelektronik
Universitaet, Kaiserstr. 12, D-76128 Karlsruhe, Germany
Internet: W.Freude@etec.uni-karlsruhe.de

30. From: "Era Mulder" <era@dutndo7.tn.tudelft.nl>
Date: Mon, 18 Nov 1996 09:11:40 +0000

Dear Prof. Cosgrave,

I read your contribution on the Maple User Group, and would really appreciate to receive the text of your lectures.

Kind regards,

Era Mulder

31. Date: Mon, 18 Nov 1996 08:51:15 +0100
From: sacchet@unimo.it (Andrea Sacchetti)

Dear John,

I should be very grateful receiving a file copies of your lectures. Thanking you in advance

Dr. Andrea Sacchetti

Dipartimento di Matematica Pura ed Applicata, Universita' di Modena, Via Campi 213/B
41100 Modena

32. From: Volker Strehl <strehl@informatik.uni-erlangen.de>
Date: Mon, 18 Nov 1996 08:31:19 GMT

Dear Professor Cosgrave,

I just read the advertisement for your Maple worksheets on world record primes and primes & cryptography. I would be grateful if you could send me a copy of these. You perhaps remember that we were in contact some time ago when two students of mine gave the notion of "factoring by email" a very particular twist.

Thanks in advance!

Best regards,

Volker Strehl, Computer Science Department (Informatik I), University of Erlangen-Nuernberg
Martensstrasse 3, D-91058 Erlangen, Germany

Later:

From: Volker Strehl <strehl@informatik.uni-erlangen.de>
Date: Wed, 20 Nov 1996 16:15:43 GMT

Dear Professor Cosgrave,

I just looked at your worksheets of your public lectures. I found them very nice and I can imagine that you had much success in presenting them to a general audience. Good publicity for mathematics and computing!

Best wishes,

Volker Strehl

33. Date: Mon, 18 Nov 1996 09:38:01 +0100
From: "Jose Fco.Quesada Moreno" <josefran@cica.es>

Dear Mr. Cosgrave,

I would like to receive the .ms files.

Thanks in advance,

Jose F. Quesada, CICA, Seville, Spain

34. From: "Porteous, Hugh L" <H.L.Porteous@shu.ac.uk>
Date: Mon, 18 Nov 96 09:06:00 GMT

I should be most interested in seeing these lecture notes.

Hugh Porteous (h.l.porteous@shu.ac.uk)

35. From: bus@spectrospin.ch
Date: Mon, 18 Nov 96 10:11:24 +0100

Dear Mr. Cosgrave,

I would greatly appreciate your lectures on primes and cryptography. Thanks for your offer to the MUG.

My private address is:

Max Erick Busse-Grawitz, Landstr.33, CH-5426 Lengnau AG, Switzerland

Best regards, Max Erick

36. Date: Mon, 18 Nov 1996 10:30:47 +0100
From: Alessandro Logar <logar@dsmaosf.univ.trieste.it>

Dear John,

I would greatly appreciate if you could send me a copy of your lectures on the primes and cryptography:

Thank you in advance.

Best regards,

Alessandro Logar, Dipartimento di Scienze Matematiche, P.le Europa 1, 34127 Trieste, Italy

37. Date: Mon, 18 Nov 1996 10:44:21 +0100
From: Manfred Woehlecke <Manfred.Woehlecke@rz.Uni-Osnabrueck.DE>

Dear John B.Cosgrave,

I would be glad if you could send me a copy of your two lectures you announced in the maple group. Many thanks in advance.

Best regards, Manfred Woehlecke

38. From: Andre Poenitz <andre.poenitz@mathematik.tu-chemnitz.de>
Date: Mon, 18 Nov 1996 12:27:36 MET

I'd be interested in the worksheets you mentioned in your message to the Maple User Group.

Sincerly,

Andre' Poenitz, TU Chemnitz-Zwickau, Fakultaet fuer Mathematik

Later:

From: Andre Poenitz <andre.poenitz@mathematik.tu-chemnitz.de>
Date: Tue, 19 Nov 1996 15:08:32 MET

Dear John,

Thank you very much for your worksheet. I enjoyed reading it very much.

Would you mind me (or other members of our faculty) using it or part of it in an introductory lecture for freshman students? I think it is a good example that maths an CAS can be both powerful tools and fun.

Andre'.

PS: You mentioned the age of the universe, wasn't that 10 or 20 billion (10^9) years instead of millions?

39. From: Brian Sanderson <bjs@maths.warwick.ac.uk>
Date: Mon, 18 Nov 1996 11:36:56 GMT

Yes please put me on your mailing list for those two lectures.

Brian.Sanderson@warwick.ac.uk
http://www.maths.warwick.ac.uk/~bjs/
Mathematics Institute
University of Warwick, Coventry CV4 7AL, UK

40. Date: Mon, 18 Nov 96 12:20:23
From: "Young, Eddie" <Eddie.Young@adeptscience.co.uk>

Dear John,

I would be really interested in the files that you mention. I would appreciate seeing these notes.

Thanks in advance.

Regards

Eddie

Eddie Young, **Adept Scientific** plc, 6 Business Centre West, Letchworth, Herts., SG6 2HB
www: http://www.adeptscience.co.uk

41. Date: Mon, 18 Nov 1996 13:46:05 +0100
From: Jerzy.Kirrander@nts.mh.se (Jerzy Kirrander)

Hello John!

I will be very pleased to receive Your lectures. Take Your time. I am waiting. Thanks.

Sincerely Yours,

Jerzy Kirrander

42. Date: Mon, 18 Nov 1996 12:46:10 +0000
From: stratton@noether.ex.ac.uk (Tony Stratton)

I would be very interested to have the texts of your lectures. I've spoken to the local mathematics association meeting about the RSA method, as well as including it in a series of undergraduate lectures. I would like to see how you have used MAPLE.

Best wishes,

Tony Stratton

43. Date: Mon, 18 Nov 96 14:23:44 +0100
From: kar@eecs.rwth-aachen.de (Alexander Karavas)

Dear Mr. Cosgrave,

I am highly interested in numerical methods and especially in random numbers and cryptography. I read in the MUG that you have recently given lessons on these topics. Please send me per e-mail the .ms files you mention in your letter to MUG from Nov. 13. Please be kind enough and send me, if available, further information or sources to these topics.

Thank you in advance,

Alexander Karavas, Rogowski Inst. El. Eng. and Comp. Sciences, RWTH Aachen
Schinkelstr.2, 52062 Aachen, Germany

44. From: Dick Clements <Dick.Clements@bristol.ac.uk>
Date: Mon, 18 Nov 1996 13:20:16 +0000 (GMT)

John, I would very much appreciate a copy of the second lecture (Primes and public-key cryptography.) Thanks.

Dick Clements, Faculty of Engineering, University of Bristol, Bristol, United Kingdom, BS8 1TR
World Wide Web:- http://www.fen.bris.ac.uk/engmaths/staff/rrc.html

45. Date: Mon, 18 Nov 1996 14:39:55 +0100
From: Bernard Leroy <bernard@pouy.obspm.fr>

Dear Dr Cosgrave,

I would very much appreciate receiving the text of your two public mathematics lectures.

I thank you in advance.

Yours sincerely,

Bernard Leroy, **Observatoire de Paris**, DASOP, 92195 Meudon Cedex, France

Later:

Date: Tue, 19 Nov 1996 09:37:51 +0100
From: Bernard Leroy <bernard@pouy.obspm.fr>

Dear Dr Cosgrave,

Many thanks for the text of your Maple public lectures. I could execute both worksheets, apparently with no errors.

Cordialement,

Bernard

46. Date: Mon, 18 Nov 1996 14:53:23 +0100
From: Jan Breeman <breeman@nlr.nl>

Dear Mr. Cosgrave,

I would be most interested to receive your "Maple" lectures.

Thanking you in advance,

Yours Sincerely,

Jan Breeman, Mathematical Models and Methods Department (IW),
National Aerospace Laboratory, Amsterdam, The Netherlands, (31)20-5113229

Read the story behind the GOLD medal at
http://www.io.tudelft.nl/~hielke/dds/jun96/okt96.html

47. From: jwendel@mail04.mitre.org (John A. Wendel)
Date: Mon, 18 Nov 96 08:59:05 -0500

John:

I would very much appreciate a copy of lecture # two: primes and public-key cryptography.

thanks,

John Wendel

48. Date: Fri Nov 15 13:46:01 1996
From: wmcb@math.appstate.edu (**Bill Bauldry**)

Dear Prof Cosgrave,

I would very much like to see the files from your lectures.

If you wish, I can make them available over the web, so that you won't be so inundated with requests.

Thanks and Regards,

Bill

Wm C Bauldry, Prof, Math. Sciences, Appalachian State U. Boone, NC 28608-0001
URL: http://www.mathsci.appstate.edu/~wmcb

Later:

Date: Wed, 20 Nov 96 10:47:47 -0400
From: **Bill Bauldry** <wmcb@math.appstate.edu>

Dear John,

Thanks for sending your Maple worksheets - they came through nicely and converted to Release 4 with no problems.

Thanks again and

Regards,
Bill

49. Date: Fri Nov 15 21:16:13 1996
From: phil kenny <pkenny@ix.netcom.com>

Dear Mr. Cosgrave,

I would like to respond to your very kind offer. If you can send the files as an e-mail attachment, at your convenience, I'd appreciate it greatly.

Thank you,

phil kenny   pkenny@ix.netcom.com

50. Date: Fri Nov 15 22:05:51 1996
From: winston@kuamp.kyoto-u.ac.jp (Winston SEAH)

Dear Sir,

I am graduate student in engineering and my area of research is telecommunications. Although I am not working on cryptography at the moment, it is one of my favourite "past-times" and I will probably incorporate it into my work in the future. I appreciate it if you send me the text of your two recent lectures on prime numbers and cryptography.

Thank you very much.

Best regards,

Winston Seah

SEAH Khoon Guan Winston, Dept of Applied Systems Science, Fac of Engineering, Kyoto University Yoshida-honmachi, Sakyo-ku, Kyoto 606-01 JAPAN

51. Date: Sat Nov 16 14:43:38 1996
From: Claude PICARD <cpicard@isicom.fr>

I am very interested by your courses.

Thank you very much, and best wishes.

Claude PICARD

52. Date: Sun Nov 17 16:36:13 1996
From: Philippe.Saux-Picart@univ-brest.fr (Philippe Saux Picart)

As a teacher in the field of symbolic computation, I am interested in the worksheets of your lectures. Please send them to me.

Ph. S.P.

53. Date: Mon, 18 Nov 1996 09:17:11 -0500
From: wilkens@math.unc.edu (George R. Wilkens)

Dear Professor Cosgrave,

I would be very interested in seeing your maple worksheets. Thank you very much for offering them to the MUG group.

George

George Wilkens, Department of Mathematics, University of North Carolina, Chapel Hill, NC 27599

54. From: "McCABE E M   STAF" <MCCABE@sms.port.ac.uk>
Date: Mon, 18 Nov 1996 14:17:48 GMT

We are just putting together a series of lectures - your files would be useful additions. You would, of course, be fully acknowledged if they are used.

Michael McCABE, School of Mathematical Studies, University of Portsmouth, Mercantile House Hampshire Terrace, PORTSMOUTH PO1 2EG, UK

55. Date: Mon, 18 Nov 1996 22:52:28 +0800
From: Henry Wong <tkwong@hkstar.com>

John,

Hello, your lectures sound very interesting. Would you send me the texts please.

Thanks very much.

Henry Wong

56. Date: Mon, 18 Nov 1996 16:21:34 +0100
From: Michal Bulant <bulik@math.muni.cz>

I'd be very glad if you could send me those two worksheets from your article sent to MUG.

Thanks

Michal

Michal Bulant, PhD student and system administrator, Masaryk University, Brno, Czech Republic
Faculty of Science, Department of Algebra and Geometry.
Topics: Number Theory, TeX, Linux, *GNU*, Computer Algebra, Computations, ...
WWW: http://www.fi.muni.cz/~bulik/

57. Date: Mon, 18 Nov 96 13:47:12 PST
From: chenm@titan.ds.boeing.com (Ming Chen)

Dear Prof. Cosgrave,

I'm interested in getting a file of your lectures that you announced in MUG. Thanks for the kind offer and I look forward to learning the subject from your lectures.

Ming Chen, PhD, RF Engineer, Boeing, Seattle, Washington, USA

58. Date: 18 Nov 96 16:49:48 EST
From: Duquesne <101317.172@CompuServe.COM>

I would be interested in your lectures on new prime number and on cryptography.

Thank in advance.

J Duquesne, Elf Aquitaine, France

59. Date: Mon, 18 Nov 1996 17:02:26 -0400
From: "Philip A. Viton" <pviton@magnus.acs.ohio-state.edu>

John:

I'd very much like to see the worksheets, whenever you can find time to send them along. THANKS!

Regards

Philip A. Viton, City Planning, Ohio State University

60. Date: Mon, 18 Nov 1996 14:45:39 -0800 (PST)
From: Abd Lafi <lafia@ucs.orst.edu>

Please send me your two public lectures. Thanks in advance.

Dr. A. Y. lafi, Oregon State University, Corvallis, OR 97330, USA

61. From: marko@theory2.phys.yorku.ca
Date: Mon, 18 Nov 1996 17:56:08 -0500

Dear John,

Thanks for the kind offer. I am very interested in receiving your lectures.

Marko Horbatsch

62. Date: Tue, 19 Nov 1996 07:18:26 +0100
From: Dieter Kraft <Dieter.Kraft@maschinenbau.fh-muenchen.d400.de>

John,

Yes, I'm very interested in getting, reading and perhaps **showing my students** the lectures you announced in the MUG.

Thanks,

Dieter

Dr. Dieter Kraft, Fachhochschule Muenchen, Dachauerstrasse 98b, D-80335 Muenchen

63. From: "N. Van den Bergh" <Norbert.VandenBergh@rug.ac.be>
To: "'johnbcos@iol.ie'" <johnbcos@iol.ie>

Dear John,

Yes I am very interested to have a look at your worksheets.

Many thanks!

N. Van den Bergh, Dienst Studie-inspecteur R.U.G., Jozef Plateaustraat 22, 9000 Gent, Belgium

64. Date: Tue, 19 Nov 1996 12:10:58 +0000
From: Stanley J Houghton <S.J.Houghton@Bradford.ac.uk>

I would be very interested in the cryptography document.

Stanley Houghton, Computer Centre, University of Bradford

Later:

Date: Thu, 21 Nov 1996 09:19:12 +0000
From: Stanley J Houghton <S.J.Houghton@Bradford.ac.uk>

Many thanks for the information .. it is both useful as background material to the mathematical basis and the RSA method.

Stanley

65. Date: Tue, 19 Nov 96 07:09:23 EST
From: "Cam Tidwell" <ctidwell@mail.hq.faa.gov>

John:

I would like to get copies of both your lectures. I have to give a talk on Maple at our local high school and these seem like two possible topics.

Thanks

Cam

66. Date: Tue, 19 Nov 96 09:17:25 cST
From: "Donald E Johnson" <dej@noctrl.edu>

Dear John:

I would be very pleased to receive the texts of your two lectures on primes and the use of Maple. Thank you so much.

Don Johnson, Mathematics Department, North Central College, POB 3063, 30 N. Brainard St., Naperville, IL 60566-7063 USA

67. Date: Tue, 19 Nov 1996 15:22:48 +0100 (MET)
From: Esben H <eh@hha.dk>

Dear John B. Cosgrave

I would very much like to receive your .ms files from the two lectures you gave on primes.

Thanks.

Esben Hoeg

68. Date: Tue, 19 Nov 1996 10:49:27 -0800
From: Bruce Tachoir <Bruce.Tachoir@asu.edu>

Prof. Cosgrave,

I am interested in receiving your two lecture sets (especially #2).

Thank you & best regards,

Bruce Tachoir, Goldwater Center 138, Engineering Computer Services, Arizona State University, Tempe, Arizona 85287-5206
WWW: http://enuxsa.eas.asu.edu/~tachoir

69. From: RSR123@aol.com
Date: Tue, 19 Nov 1996 15:58:36 -0500

Hi.

Your 2 lectures sound great. Please send them to me at your convenience.

Thanks!

R. Steve Robinson

70. Date: 19 Nov 96 17:05:24 EST
From: Jeremy Boden <100342.2652@CompuServe.COM>

I would be very interested in receiving copies of your Maple worksheets, as used in your public lectures on cryptography etc.

With thanks,

Jeremy Boden

71. Date: Tue, 19 Nov 1996 16:26:54 -0800
From: John Pais <paisj@medicine.wustl.edu>

Please do send me these files. This sounds like a very nice and motivating application that I can use in an abstract algebra/number theory course for teachers that I am developing for a local teacher education college.

Thanks very much,

John Pais, Mathematics, St. Louis College of Pharmacy, 4588 Parkview Place, St. Louis, MO 63110, USA

Later:

Date: Sun, 24 Nov 1996 12:22:20 -0800
From: **John Pais** <paisj@medicine.wustl.edu>

Hello John,

I by now have had time to copy your two files, create *.ms files, and work through them in Maple. **Very lovely textual exposition in combination with a well-considered and light touch in the placement and use of Maple routines. Your two lectures will indeed provide a very nice introduction to number theory and its application to cryptography for my students**.

If you don't mind (?), I plan to share your files with them the next time I teach abstract algebra/number theory.

Again, thanks very much and best wishes,

John Pais

and later again:

Date: Tue, 26 Nov 1996 20:49:46 -0800
From: John Pais <paisj@medicine.wustl.edu>

John,

Thanks for your two messages. This is very exciting stuff! I was unaware of the GIMPS (though maybe IMPS would be a better acronym ... or possibly the Perfect Internet ...) and its fascinating distributed effort to find primes. I am thinking I might add a machine of mine to the effort--this sounds like great fun.

Best wishes,

John

72. Date: Wed, 20 Nov 1996 11:30:28 +0100 (MET)
From: Eugenio Roanes Lozano <eroanes@eucmos.sim.ucm.es>

Dear John:

How are you? I see, despite your efforts, your e-mail address is still "non-academic". Didn't you succeed in your claim?

I'm interested in your lectures. Can you send them to me by e-mail?

Best regards,

Eugenio

and later:

Date: Tue, 26 Nov 1996 11:44:52 +0100 (MET)
From: Eugenio Roanes Lozano <eroanes@eucmos.sim.ucm.es>

Dear John:

I have enjoyed reading your Maple worksheets. They are very interesting. Best regards, Eugenio

74. Date: Thu, 21 Nov 1996 00:08:41 +1100 (EST)
From: David Pintur <dpintur@ozemail.com.au>

Dear John,

Your recent public seminars on Prime numbers and cryptography seem very interesting! I am quite keen on receiving the maple texts of your recent lectures on Primes and cryptography.

Kind regards.

Dr. David Pintur, **Business Development Manager**, Asia-Pacific Waterloo **Maple Inc**.
56 Volitans Ave., Mt. Eliza, Victoria, Australia 3930

Later:

Date: Thu, 28 Nov 1996 01:40:41 +1100 (EST)
From: David Pintur <dpintur@ozemail.com.au>

Dear John,

I was thoroughly entertained and informed as I read through your seminar notes. During my graduate work as an engineer, I circumvented pure mathematics, but gradually picked up basic concepts while at Maple. **Your talks were able to shed much light into what I thought was quite grey!**

Thanks again,

Dr. David Pintur
Business Development Manager, Asia-Pacific
Waterloo Maple Inc.

75. Date: Wed, 20 Nov 1996 16:34:24 +0100
From: Nicolai Remy <rnicolai@worldnet.fr>

I would be glad to receive your lecture on the world record prime. Thank you. **I am a math teacher in Versailles France.**

76. From: P.Bontemps@physics.salford.ac.uk
Date: 22 Nov 96 10:24

Dear John B. Cosgrave,

I saw your message in the MAPLE User Group and I'd appreciate if you could send me via email a copy of your two public lectures (World Prime Factor 23/10 and Cryptography 6/11).

Thank you,

Yours sincerely,

Patrick Bontemps, Photonics and Nonlinear Science Group, University of Salford -UK.

77. From: faia michael a <mafaia@aardvark.cc.wm.edu>
Date: Tue Nov 19 07:34:24 1996

Hi: I would appreciate receiving the files you describe below. I've done some work (using Maple) with public-key encryption, mainly from a sociological standpoint. If you wish, I'll send you a paper that deals with this topic. I'm especially interested in what happens when various kinds of criminals start making heavy use of PKE.

78. From: albert@cal.enst.fr (Luc ALBERT)
Date: Tue Nov 19 10:23:14 1996

Hello,

I'm a teacher in a postgraduate course and both of your worksheets interest me
Thanks

Luc ALBERT, Fenelon, Paris 6eme.

79. From: D Pang <occ4dxp4@isdugp.bham.ac.uk>
Date: Wed Nov 20 07:22:36 1996

Hi, I'm a Maple user. I would highly appreciate it if you can send .ms files and some relevant texts.

Thanks

Dong, University of Birmingham, Birmingham.

80. Date: Sat, 23 Nov 1996 20:45:55 +0100
From: fehrenbach@fh-heilbronn.de (g. w. fehrenbach)

I am interested in both lectures.

thx werner fehrenbach

81. Date: Sun, 24 Nov 1996 11:59:55 +0530
From: gopu@rri.ernet.in (Gopakumar)
X-Organisation: Raman Research Institute, Bangalore, INDIA.

Dear John B. Cosgrave,

Please send me copies of your lectures on cryptography. Thanks.

Gopakumar.A, S.R.F,RRI,BANGALORE -560080, INDIA

Date: Fri, 29 Nov 1996 13:16:08 +0530
From: gopu@rri.ernet.in (Gopakumar)

Dear Prof John,

After going through your lecture on cryptography (I really enjoyed it .. so do my friends here ..)
I would like to read your first lecture on `The recently discovered world record prime '. Please send
me the .ms file containing that lecture .. Thanks a heap.

Later:

Date: Tue, 26 Nov 1996 10:15:19 +0530
From: gopu@rri.ernet.in (Gopakumar)

Dear Prof. John,

Thanks a lot .. I am going through your lecture ..I am really enjoying it .. BTW I am a student here ,
working for my thesis ..I work on general relativity { Gravitational Radiation } Then I searched for
Bharata Natyam dancer Shanta Rao ..couldn't locate her whereabouts .. Are U asking for Sandya Rao
..she is B'lore ..her disciple is @ California .. She is still in B'lore ..
Bye
Gopu

82. Date: Fri Nov 22 11:52:15 1996
From: Bob Lewis <bobl@cs.ubc.ca>

I'd be interested in a copy of your lecture worksheets. Thanks.

Bob Lewis

P.S. **If you'd like somewhere to put them so people can ftp them, perhaps we can work
something out.**

Later:

Date: Mon, 02 Dec 1996 11:37:29 -0800
From: Bob Lewis <bobl@cs.ubc.ca>

I don't think I made my offer clear enough. I was offering to *provide* an FTP site here at UBC to
take some of the pressure off. A better idea, though, would be to contribute your worksheets to the
Maple V Share Library (contact share@maplesoft.com).

**Be that as it may, thanks so much for the worksheets. They're an excellent example of Maple's
usefulness**.

    - Bob Lewis
     bobl@cs.ubc.ca

83. Date: Wed, 27 Nov 1996 08:28:35 -0600

From: Mark Adams <mark@adams.org>

Dear Mr. Cosgrave,

I would like to accept your offer to share the contents of your two lectures. I am a high school math teacher who is using Maple in my classroom for the first time. It would be very helpful to me to see how you utilised Maple in your lectures.

Thank you,

Mark W. Adams, Mathematics Department, Barstow School, Kansas City, MO

84. Date: Mon, 2 Dec 1996 10:54:04 +0100
From: lfinke@AWI-Bremerhaven.DE (Lars Peer Finke)

Dear Dr. Cosgrave,

I would be very pleased to get a copy of your 2 lectures.

Thanks a lot

Lars Peer Finke

85. From: "GUSTAVUS HUIGE" <HUIGE@admin1.csd.unbsj.ca>
Date: Fri, 6 Dec 1996 10:07:04 ADT

I would be interested in your files on "largest prime" and cryptology you mention in MUG as **I will be teaching an introductory course in Number Theory next term to a small class and will be encouraging the use of Maple.**

With Thanks,

Gus Huige
University of New Brunswick
Saint John

86. Date: Thu, 12 Dec 1996 19:24:00 -0500 (EST)
From: Bruce David Redman <bdredman@alpha.delta.edu>

Hello Mr. Cosgrave,

My name is David Redman, and I am a young faculty member at a public (two-year) college in mid-michigan (USA).

I use MapleV on a PowerMac. I am interested in cryptography, although my training was in abstract algebra.

I have been playing around with PGP and reading some cryptology texts, and I would be very interested in seeing your lectures.

I could probably find a way to use your maple worksheets, too. My wife also is a mathematician, and she has a PC with MapleVR3.

Let me know how I could acquire the materials you mentioned in your post to the [MUG].

No hurry, though. (I hope I'm not the n-thousandth person to bug you for your lectures! :))

B. David Redman, Jr.   Division of Mathematics and Computer Science
bdredman@alpha.delta.edu   Delta College
http://www.delta.edu/~bdredman University Center MI USA 48710-0002

87. From: rwt@lvu.ph.lancs.ac.uk (Robin W Tucker)
Date: Fri, 10 Jan 1997 09:42:42 +0000 (WET)

Dear John,

I would be grateful for a copy of your recent Maple Lectures.

Many thanks

Robin W Tucker

88. Date: Tue, 11 Feb 1997 19:25:52 +0000
From: Antonio Giraldo <agiraldo@fi.upm.es>
Subject: Lectures with Maple
To: johnbcos@iol.ie

Dear Dr. Cosgrave,

Could you send the texts of the two lectures you gave on "The recently discovered world record prime $(2^{1257787} - 1)$" (now there is a new record) and "Primes and public-key cryptography."

Yours sincerely,

Antonio Giraldo Carbajo, Facultad de Informatica, Universidad Politecnica,
Campus de Montegancedo, Boadilla del Monte, 28660 Madrid, Spain
http://zape.fi.upm.es/~agiraldo

89. From: Jon Henderson <hendersn@holly.ColoState.EDU>
Subject: Nov 13, 96 [MUG] mail
To: johnbcos@iol.ie
Date: Tue, 11 Feb 1997 18:12:18 -0700 (MST)

Feb 11, 97
Jon Henderson

Mr. Cosgrave

In November, you posted to the MUG about a lecture using Maple V to illustrate the historical development in the search for primes, and also a lecture on public-key cryptography.

While my number theory is weak at best, I am interested in both topics. If you still have the files, I would appreciate an e-mailing when it is convenient for you. If you have any notes on the mentioned

Maple procedure difficulties, I would appreciate any advice.

Thanks in advance,

Jon Henderson

hendersn@lamar.colostate.edu
_____

I sent the files to Joe Riel, and he replied:

From: Joe Riel <jsr@sparc.SanDiegoCA.NCR.COM>

Subject: Re: two public lectures
To: johnbcos@iol.ie (John B. Cosgrave)
Date: Mon, 18 Nov 1996 13:05:25 -0800 (PST)

John,

Thanks for sending these. They are quite nice. I like the poet's comment after your first lecture. They work fine on Release 4.

Joe