



2013

X2050011 C

C Programming

X2050011

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C

break continue

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1	C		4	2 1

2		+	2+2	2 1
3		+	4+2	2 1
4		+	6+4	2 1
5		+	6+4	2 1
6		+	6+4	2 1
7		+	6+2	2 1
8		+	4+1	2 1
9		+	4+1	2 1
10			2	2 1

()

CAI

(

()
while do_while for ,
() (break continue)
()

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C	2011
C	2010
C	2010
C	2011

x2040561

Descriptive Geometry and Engineering Drawing

x 2040561

48

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- 3.
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			4	3 1
			8	3 1
			14	3 1
			8	3 1
			4	3 1
			4	3 1
			4	3 1
			2	

1.

CAI

CAI

2.

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1.	2009.7
2.	2009.7
3.	2010.7
4.	2010.7
5.	2002.9.6

X2080091

Mechanics

x2080091

48

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3.0

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			7	2 1
			7	2 1
			6	2 1

			5	2 1
			8	2 1
			6	2 1
			6	2 1
			3	2 1

2-3

2005
2003
2004

X2080101

Heat

x2080101

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X2080121

Electromagnetism

x2080121

64

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4.0

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D E

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		+	6+2	2 1
		+	6+2	2 1
		+	4+2	2 1
		+	4+2	2 1
		+	8+2	2 1
		+	6+2	2 1
		+	8+2	2 1
		+	4+2	2 1

			2	2 1
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2-3

CAI

2002

1985

2001

X2080131

Optics

x2080131

48

0

0

3.0

()

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			2	1.5 1
			2	1.5 1
		+	14	1.5 1
		+	10	1.5 1
		+	8	1.5 1
			6	1.5 1
			4	1.5 1
			2	

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1999

2000

2002

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Atom Physi cs

x2080151

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X X

X

			8	2 1
			8	2 1
			8	2 1
			8	2 1
			8	2 1
			2	2 1
	X		4	2 1
			2	2 1

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1979

2001

1986

X2080161

Methods of Mathematical Physics

x2080161

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Cauchy Cauchy Cauchy
Cauchy Cauchy Morera Cauchy

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		+	8	2 1
	Γ	+	3	2 1
		+	5	2 1
			4	2 1
		+	6	2 1
		+	10	2 1
		+	8	2 1
		+	8	2 1
		+	7	2 1
		+	5	2 1
	-		2	2 1

2003

2000

1998

1985

x2030471

Inorganic Chemistry

x2030471

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K^Θ

$K^\Theta \quad \Delta_r G_m^\Theta \quad \Delta_r G_m^\Theta \quad \Delta_r G_m$

$\Delta_r G_m^\Theta \quad \Delta_r G_m \quad K^\Theta$

$$\Delta_r G_m$$



$$Sn^{2+} \quad Hg^{2+} \quad Pb^{2+}$$

Cr^{3+} Mn^{2+} Fe^{3+} Fe^{2+} Co^{2+} Ni^{2+} Cu^{2+}

1.	()		2006
2.		()	
2006			,
3.	()		
	1992		
4.		()	1994
5.		2001	
6.		2000	

x2030631

physi cal chemi stry

x2030631

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1
2

1			2	2 1
2		+	18+8	2 1
3			10	2 1
4		+	10+4	2 1
5		+	14+4	2 1
6			10	2 1

1

2

3

4

- [1] ,2002.3
- [2] 2001.12
- [3] ,2002.3
- [4] 2007.2
- [5]
- [6]
- [7]
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X3080021

Thermodynamics and Statistical Physics

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X3080031

Cal assi cal Electro dynamics

x3080031

64

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4.0

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		+	10	2 1

X3080041

Quantum Mechanics

x3080041

64

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4.0

Schrödinger

Schrödinger

Schrödinger

Schrödinger

Schrödinger

Schrödinger

Schrödinger

Schrödinger

Schrödinger

Ehrenfest

Schrödinger

Heisenberg

Schrödinger

Heisenberg

Schrödinger

Heisenberg

Zeeman Landau

Zeeman
Zeeman

Dirac

Dirac

Zeeman

Schrödinger
Schrödinger Schrödinger

Ritz Hartree

Ritz

Hamilton

Hamilton
Hamilton

	Schrödinger		8	2 1
			6	2 1
			6	2 1
			6	2 1

			4	2 1
			6	2 1
			6	2 1
			4	2 1
			4	2 1
			4	2 1
			4	2 1

2003

2000

2002

Sol i d Physi cs

x3080051

64

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0

4. 0

1

2

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2

3

X

X
X

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3
4

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4
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5

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②
③

2
①
②
③

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④

⑤

			10	2 1
	X		4	2 1
			10	2 1
			12	2 1
			10	2 1
			18	2 1

2005

1980

2005

2003

Materials Physics

X4080021

32

0

0

20

Theory of Particle Separate out from Solution

x4080301

32

16

0

20

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Young—Laplace

Young—Laplace

Young—Laplace

Young—Laplace

Langmuir
BET

Langmuir
BET

CMC

CMC

CMC
CMC

—Hydrophile-lipophile Balance

HLB

HLB

HLB

HLB

HLB

Weiman

1908

Lamer

Matijevic

Lamer

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	3 ()			
	1 2		4 2 1	
			16	

16

2001
20025

X4080341

Computational Physics

x4080341

32

14

0

2 0

Fortran

Fortran

Fortran

		+	4	2 1
		+	4	2 1
		+	4	2 1
		+	4	2 1
		+	4	2 1
		+	6	2 1
		+	6	2 1

14

An Introduction to Computational Physics T.Pang

2003
2005

2006

X4080061

The Technology of non-destructive crack detection

x4080061

16

8

0

1. 0

1

2

			3	2 1
			5	2 1
			8	2 1

X

2005
2001
2003
2005

x4080391

Optoelectronic Technology

x4080391

32

0

0

2

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OLED

		2	2:1	
		4	2:1	
		4	2:1	
		8	2:1	
		8	2:1	
		4	2:1	
		2	2:1	

2012

2009

2006

2012

3

Laser Techniques and Application

x4080461

32

0

0

2

1

2

3

LDT

			2	2 : 1
		+	10	2 : 1
		+	6	2 1
		+	4	2 1
		+	4	2 1
		+	2	2 1
		+	4	2 1

1

2

4

2

2004

2008

2002

2003

2004

x4080591

Spectroscopy Anal ysi s

x4080591

48

16

0

3.0

Boltzman

Boltzman

X

X

X

X

X

2002

2002

2006

课程名称:

英文名称: General Physics Experiment

课程编号:

学时数:

其中实验学时数: 课外学时数:

学分数: 6

适用专业:

‘ ‘ 8 9 | : ; < = >

1‘ 8 9 : ; ?

3

4

5

2' £ 8 9 1 @ A ?

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3

3' £ 8 9 1 B A ?

1

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\$. ^) * - ^ C D E ?

1' . ^) * ?

2' ^ C D E ?

F 1 G ^ H ^ C D E

96	48	6	42				

F 2 I ^ H ^ C D E

96	48	0	48				0

3' . " ! / " # (J K 21 L " M: . " N/ < 20 L O P: i . " N/ Q R S 12 L " T: < U V
: N/)

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	AD590							

W?

6

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90

96

4 . . " % & t Ž . . " ' () * . + , - . / 0 1 2 3

1 . . " % & t Ž

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1 2 3 4 5

2 . " ' () * + , - . / 0 1 2 3

2		30		15		15
	14		1			
3		0 10			60	
4		0 10			60	
5		0 20			20	
6		0 10			10	
7	3~6	3.0			90	80 89
	70	79	60 69	59		

X . Ł 8 9 fi J Y 8 9 i Z [

\ . " , 6 - 5 ' 7

2.

3.

] \$ ^ £ 8 9 i B A ?

1.

2.

\$. . " ! / " # (J K 20 L ` a i . " N / < 11 L b c i . " N /)

	CCD						
	STM						

		*					
		θ					
			θ				

			θ				

4 . . " % & t Ž . . " ' () * . + , - . / 0 1 2 3
] ^ . " % & t Ž

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7

1 2 3 4 5

] ž ^ ° “ ‘ () * ‘ + , - . / 0 1 2 3

		0 10	200
2		0 10	10
3	2	2.0	90
70	79	60 69	80 89
		59	

x ‘ ° “ „ 6 - 5 ‘ 7

/ Spectroscopy Analysi s
X4080591

48 3.0
16 1.0

ˇ ˙ ˙ “ ˙ ˇ ˙ / ˙ fi fl Ł t Ž

ž ˙ ˙ “ ! / " #

1				6				
2	ICP-AES	ICP Mg ²⁺ Ca ²⁺ Mg ²⁺ Ca ²⁺		2				
3		,		3				
4				2				
5				3				

\$ ˙ ˙ “ % & t Ž ˙ ˙ “ “ () * ˙ + , - . / 0 1 2 3

4 ' ' " . 6 - 5 ' 7

2006

Applied Physics Experiment

48

3

· · 8 9 i : ; fi = >

ž · Ł 8 9 i fi Ł i ž · @A < B A
] ^ ^ Ł 8 9 i fi Ł i ž ?

] ź ^ Ł 8 9 i @ A ?

] \$ ^ Ł 8 9 i B A ?

1.

2.

\$ ' ' " ! / " #

4 . ° " % & † Ž . ° " ' () * . + , - . / 0 1 2 3

X . ° " , 6 - 5 ' 7

C

C /C Programming
x2050011

64 4.0
20

~ . : " , ^ ! / | fi fl Ł t Ź

C

1
2
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Ź . : " ! / " #

1			2				
2		if ...else switch	2				
3		while do..while for	2				
4		break continue	2				
5			2				

6			2				
7			2				
8			2				
9		,	2				
10			2				

\$. " % & † Ž . " ' () * . + , - . / 0 1 2 3

4 . " . 6 - 5 ' 7

C	2005	3
C	2009	7
C	2010	2
C	2010	2

x1408101

2 2

1. ° d / i < t Ž ?

1

2

3

2. ° d + , ?

2.1.

2.2

2.3

2.4

2.5

2.6

2.7,

2.8

3. ° d C e ? 2 f

4. ° d) * < g h ?

2

4.1

4.2

4.3

4.4

4.5

5` ` (+ , <) * ?

5.11,

5.2.

5.3,

5.4

6` ` d g i j ! ?

7` ` d k l m n

1

1

8` o p ` d % & i + , fi t Z

8.1

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9. q r ° d s t ?

9.1,

9.2

9.3

9.4

9.5,

2208201

College Physics

2208201

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