



# ANNUAL REPORT 2021

## 领导致辞 Dean's Message

2021

2021

2022  
2021

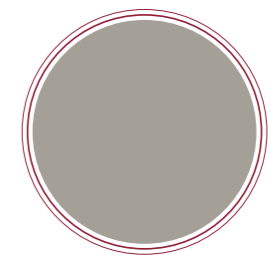
6

7

2021

7

19-21 23



2021 12 31



# 目录 Contents

Annual Report  
School of Mathematical  
Sciences

2021

## 01

Highlights

06

## 02

Honor Roll

10

## 03

Faculty

16

## 04

Education

22

## 05

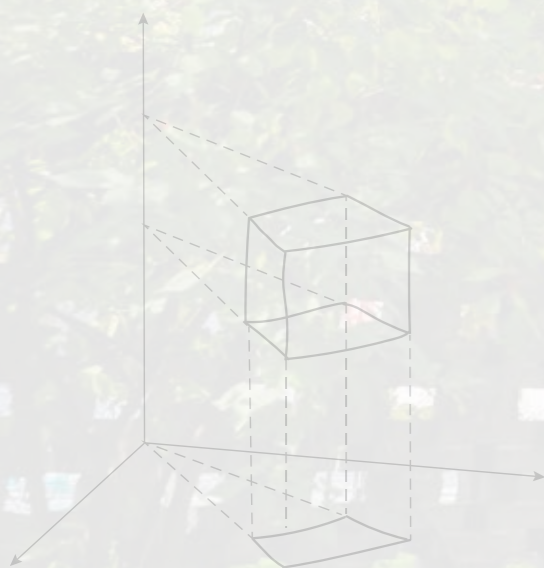
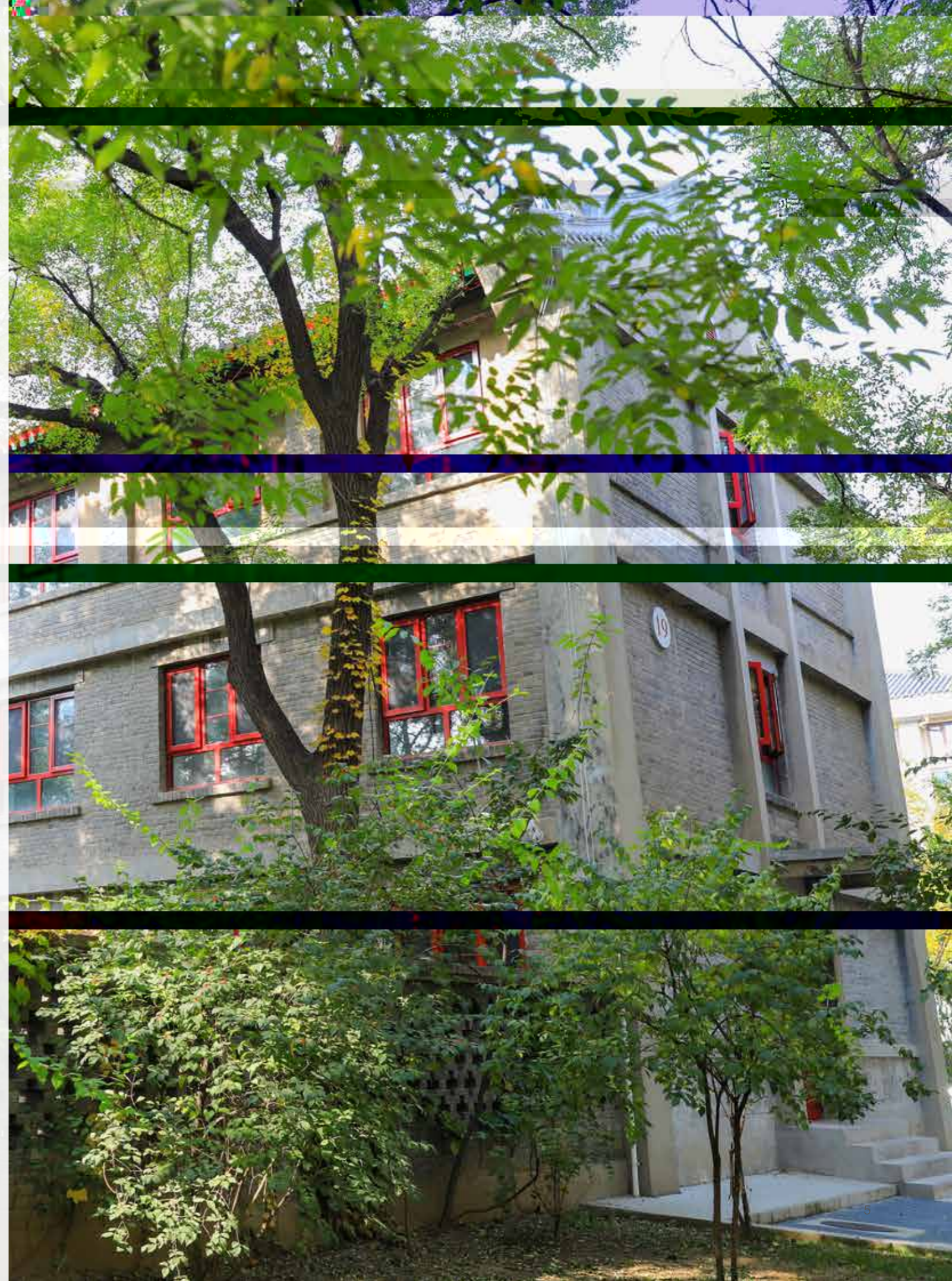
Research

34

## 06

Supports

46





# 01

## Highlights

Annual Report  
School of Mathematical  
Sciences

2021

- 100
- 6 7 2022
- 19-21 23
- 
- 
- 

100  
7 1 100  
14 35  
50

6 7 2022  
2021 6 29  
2018 2 7 6 2022



**ICM** INTERNATIONAL CONGRESS  
OF MATHEMATICIANS  
2022 JULY 6-14 SAINT  
PETERSBURG

2021  
ICM2022

2021

5

2 TAL

27

ICM2022



11



$$\cos^2 \alpha + \sin^2 \alpha = 1$$



19- 21 23

19- 21 23

5



7

37

316



" "

8

" 3+X"

8

19- 21 23

" 2021 "

" 2021"

7

9

10





# 02

## Honor Roll



11 18 2021  
2020 2%

2017

2020

2020

York

Brown-

2020

11 3 2020  
2018 p  
90

Scholze

p

p

p

p

" p

p  
Coleman- Mazur



10 12





$$\cos^2 \alpha + \sin^2 \alpha = 1$$

2021

10 14 10

35

12

2021

---

5

2021 " " " " " " L " " " Stokes

Gordon Bell Prize Finalist

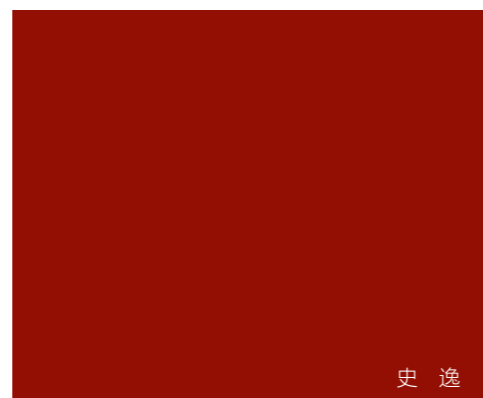
2021



徐晓蒙



阳恩林



史逸



2021

( )

2020

2020

2020

2020—2021

2020—2021

2020—2021

2020—2021

2020—2021

2020—2021

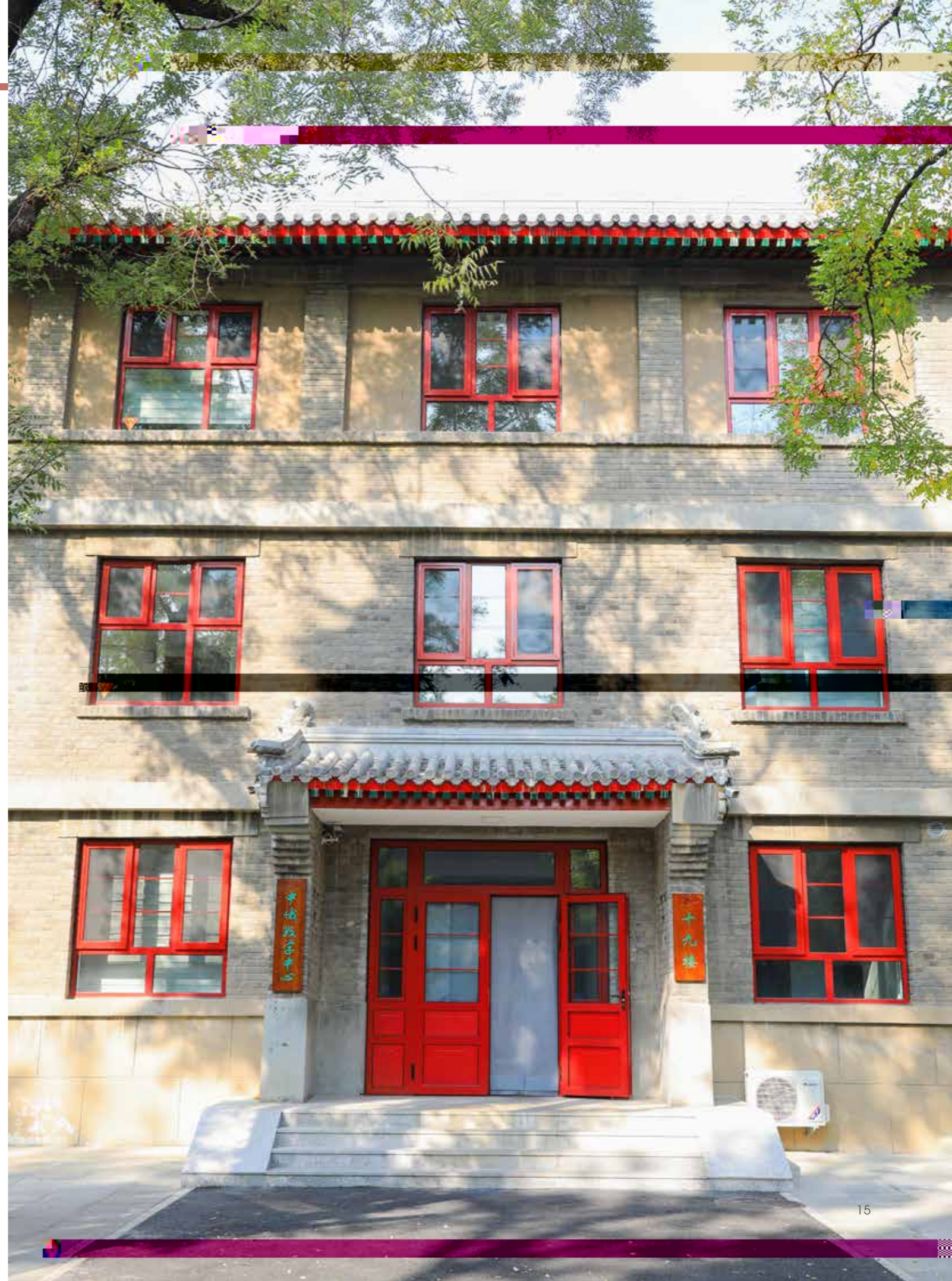
2021

2021

2020- 2021

2020- 2021

2021





# 03

## Faculty



2002 45 2022  
2011

Collatz

Kleinman Theodore von Karman SIAM  
ETH Zürich Peter Henrici ACM Gordon  
Bell Prize



2021 2017  
2020 2%

2011  
Gilbert Helman

Rollo Davidson Prize, Alfred P. Sloan  
Fellowship, NSF Career Award 2022  
45 2022 1



2018  
2018- 2021

2021 5





2020

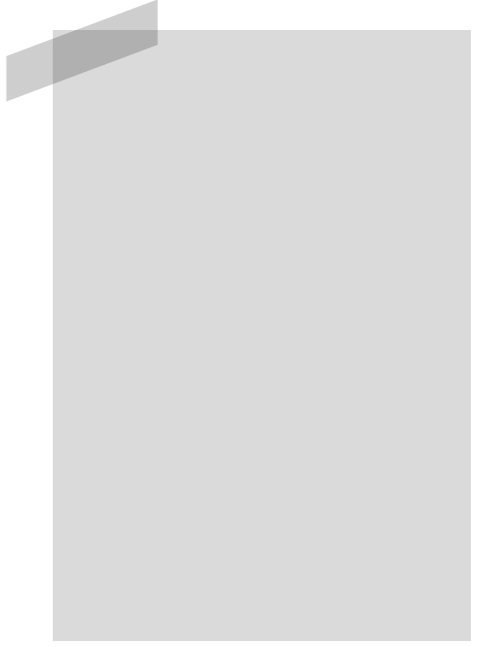
2020- 2021

2021 8

2018

2018- 2021

2021 12



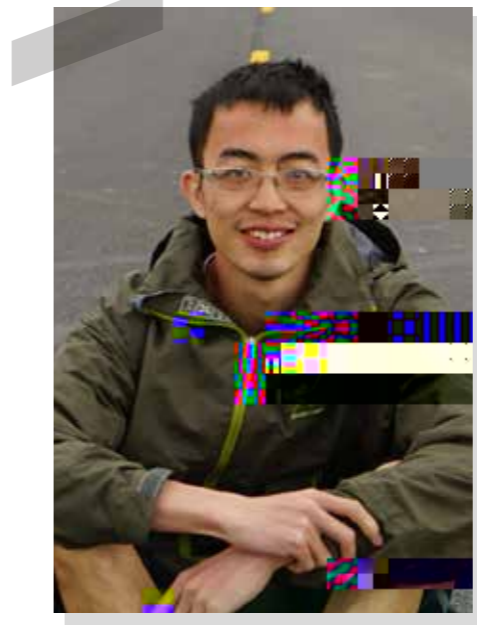
2017

2017- 2019

2018- 2021

Boas

2021 9



2021

2021 7

TAL



2015

2021 7

2018

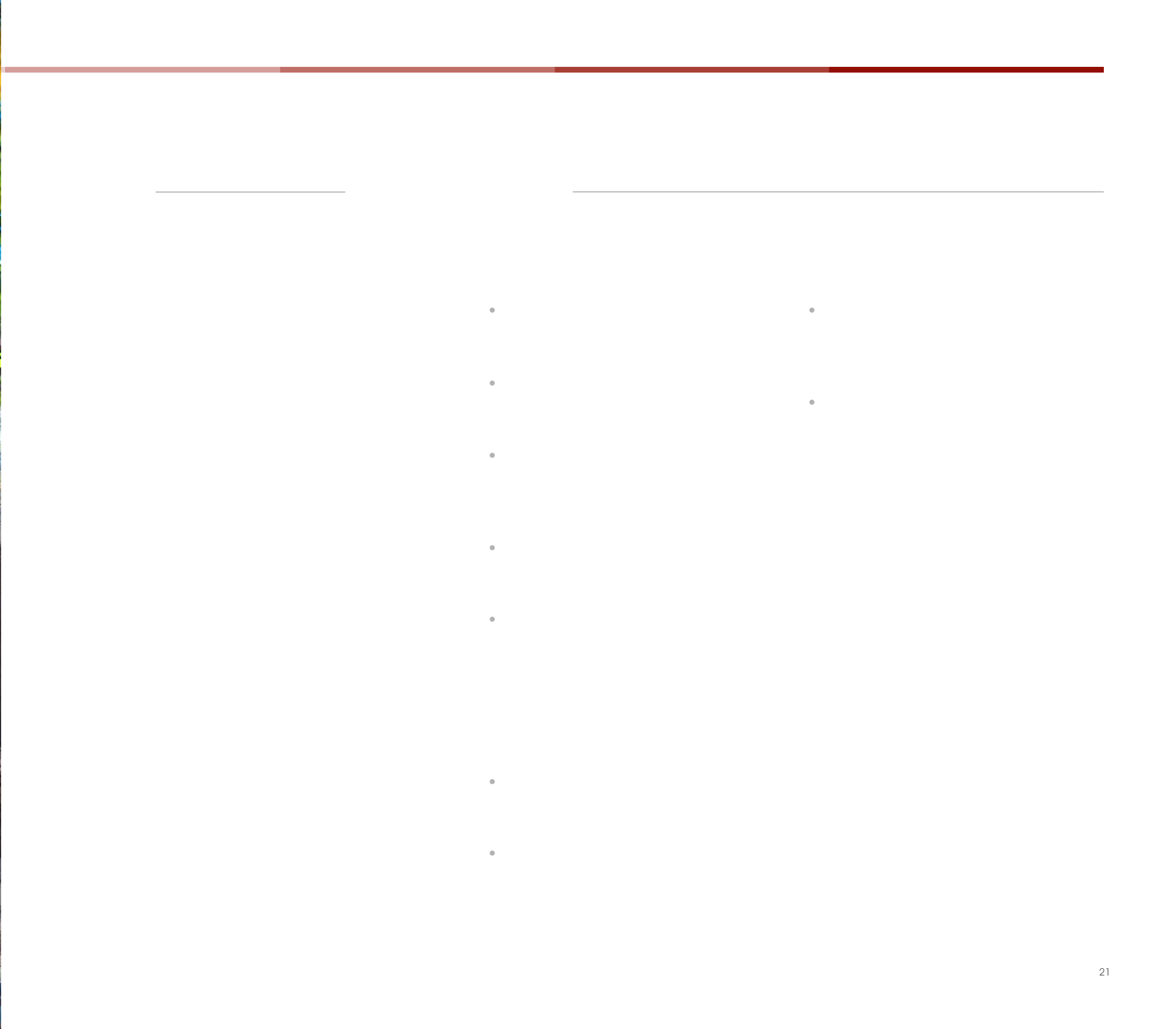
2018- 2021

2021 7

TAL











Annual Report  
School of Mathematical  
Sciences

2021

270

4

6

7



115

24 - day 11

2021

53

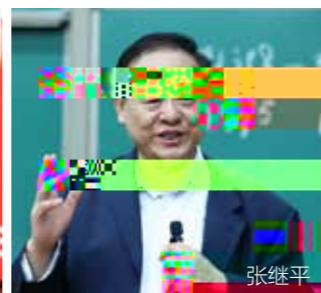
7

10

4

21

30





2021  
20~21

1			24		B	47		
2			25		B	48		
3			26		B	49		
4		C	27		B	50		
5		C	28		B	51		
6		(B)	29		B	52		
7		(B)	30		II	53		
8		(B)	31		II	54		
9		(B)	32		II	55		
10		(B)	33		II	56		
11		(B)	34		II	57		
12		(B)	35		II	58		
13		(B)	36		II	59		
14		(B)	37		II	60		
15		(B)	38		II	61		
16		(B)	39		II	62		
17		A	40			63		
18		A	41			64		
19		A	42			65		
20		A II	43			66		
21		A II	44			67		
22		A II	45			68		
23		B	46			69		

70			93			116		
71			94			117		
72			95			118		
73			96			119		
74			97			120		II
75			98			121		
76			99			122		I
77			100			123		
78			101			124		
79			102			125		
80			103			126		
81		II	104			127		
82			105			128		
83		II	106			129		
84			107			130		
85			108			131		
86			109			132		
87		II	110		II	133		
88		II	111			134		
89			112			135		
90		Nijenhuis	113			136		
91			114		II			
92			115					

21~22

1			25		B	49			71			95			118		
2			26		B	50			72			96			119		
3			27		B	51		I	73			97		II	120		
4			28		B	52		III	74			98			121		
5		D	29		B	53		III	75			99			122		II
6		D	30		B	54		III	76			100		II	123		
7		D	31		A	55		III	77			101		I	124		
8		D	32		A	56			78			102			125		
9		D	33		A I	57			79			103			126		
10		C	34		A I	58			80			104			127		
11		C	35		A	59		I	81			105			128		I
12		C	36		A	60			82			106			129		
13		C	37		A	61			83			107		Coxeter	130		
14		C	38		B	62			84			108			131		
15		(C)	39		I	63			85			109	Emanuel G. Scheideg		132		
16		(B)	40		I	64			86			110			133		
17		(B)	41		I	65			87			111			134		
18		(B)	42		I	66			88			112			135		
19		(B)	43		I				89			113		K -	136		
20		(B)	44		I	67			90			114			137		
21		(B)	45		I				91		(B)	115	Dao Van Thinh		138		
22		(B)	46		I	68		(B)	92		I	116			139		
23		(B)	47		I	69			93			117			140		
24		(B)	48		I	70			94						141		



2021

100

38

38

16



2021

15

9

4

2

12

33

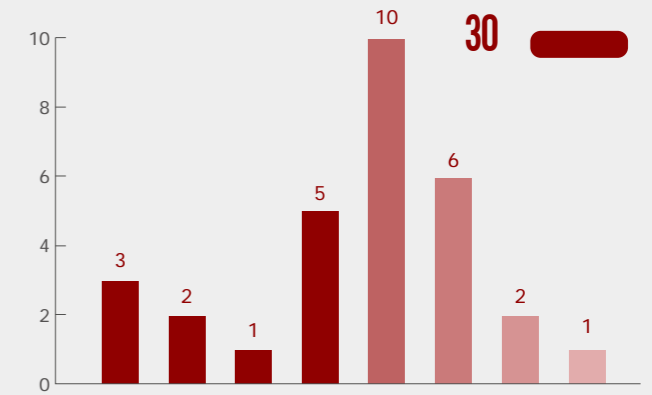
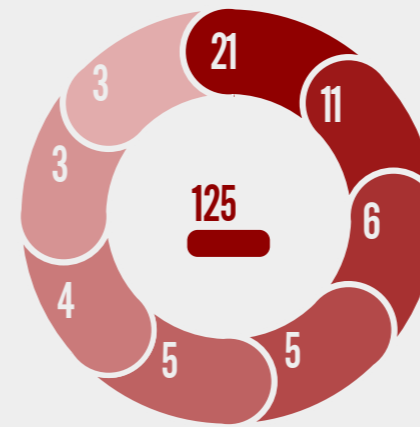
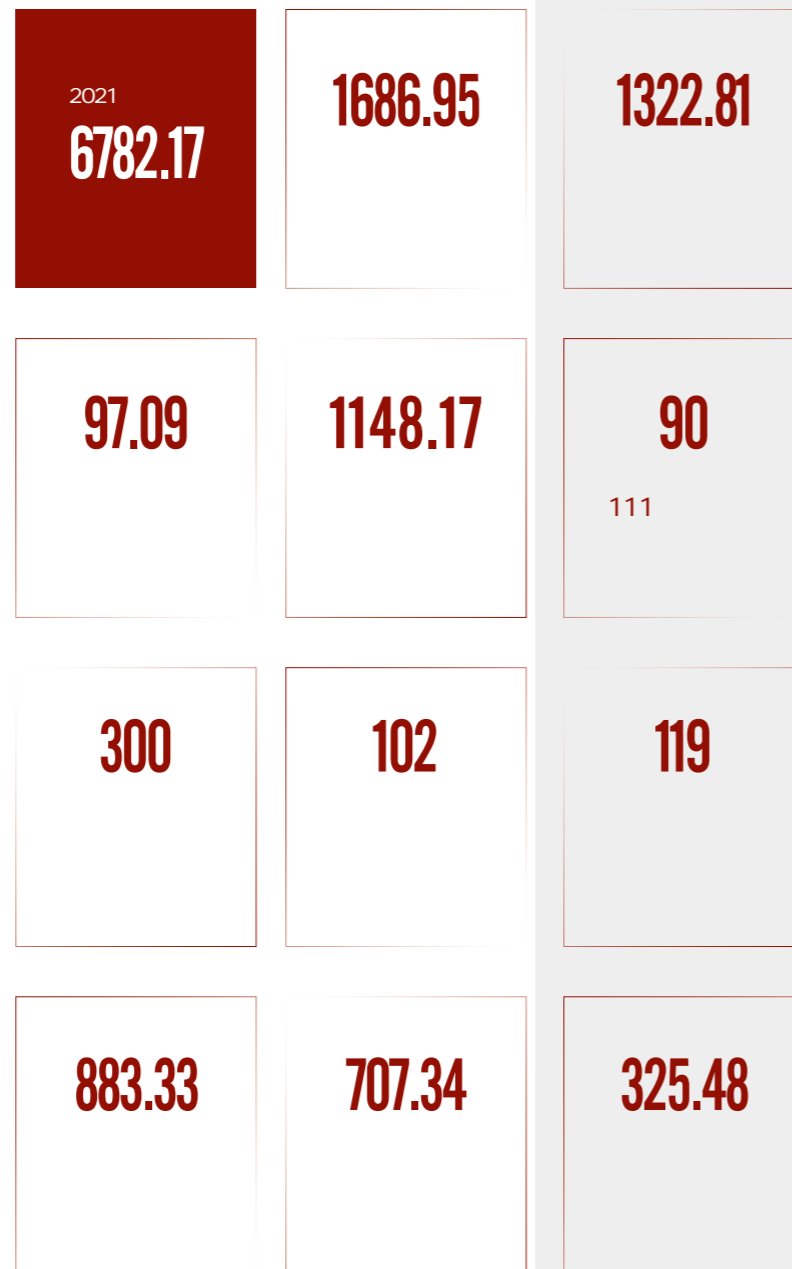
32











2021

No.	Item	Amount	Start Date	End Date
1		300	2021.12	2026.11
2	S tokens	300	2021.12	2026.11
3	L	300	2021.12	2026.11
4		252	2022.01	2026.12
5	E	252	2022.01	2026.12
6		200	2022.01	2024.12
7	—	74.92	2021.05	2022.12

	( )			
1	395		2020.12	2025.11
2	456		2020.12	2023.11
3	93		2020.12	2025.11
4	317.3		2017.01	2021.12
5	660	2030	2019.12	2022.12
6	160	2030	2019.12	2022.12
7	197		2017.01	2021.12
8	250		2018.01	2022.12
9	270		2018.01	2022.12
10	250		2019.01	2023.12
11	270		2020.01	2024.12
12	294		2021.01	2025.12
13	245		2017.01	2021.12
14	245		2018.01	2022.12
15	245		2019.01	2023.12
16	245		2019.01	2023.12
17	280		2021.01	2025.12
18	130		2019.01	2021.12

	( )				
19	130		2019.01	2021.12	
20	Langlands	120	2020.01	2022.12	
21		175	( )	2019.10	2022.09
22		150	( )	2021.01	2023.12
23		62.58		2021.01	2023.12
24		100	-	2018.11	2021.12
25		200	-	2019.10	2023.10
26		74.92		2021.05	2022.12
27	AI	600		2019.09	2020.08
28		1500		2019.06	2022.06
29		1000		2019.12	2024.12
30	Fintech	1000		2019.12	2022.12
31	-	1000		2019.08	2024.08
32	-	1000		2019.01	2024.09
33		1000		2020.05	2025.05
34		2000		2021.05	2026.05





- **An, Jinpeng**  
*Advances in Mathematics*
- **Guo, Shuai**  
*Annals of Mathematics*
- **Guo, Shuai**  
*N-mixed-spin-P Geometry & Topology*
- **Shi, Yuguang**  
*Communications on Pure and Applied Mathematics*
- **Wang, Baoxiang**  
*Annales de l'Institut Henri Poincare-Analyse Non Lineaire*
- **Wei, Dongyi**  
*Annals of Probability*
- **Fu, Jingxue; Wu, Lan**  
*Finance Research Letters*
- **Shi, Yi**  
*Transactions of the American Mathematical Society*
- **Hu, Jun; Liang, Yizhou**  
*Mathematics of Computation*
- **Yang, Enlin**  
*Advances in Mathematics*
- **Zheng, Hao**  
*Communications in Mathematical Physics*
- **Zhou, Bin**  
*Annals of Partial Differential Equations*
- **Li, Dingquan; Jiang, Ming**  
*International Journal of Computer Vision*
- **Li, Ruo; Zheng, Lingchao**  
*SIAM Journal on Applied Mathematics*
- **Li, Tao; Ma, Jinwen**  
*Neurocomputing*
- **Geng, Zhi**  
*Statistics in Medicine*
- **Yao, Fang**  
*Biometrika*
- **Zhang, Ruixun**  
*iScience*
- **Ren, Yan-Xia**  
*Stochastic Processes and Their Applications*
- **Shen, Shunlin**  
*Journal of Functional Analysis*
- **Zhang, Zhifei**  
*Advances in Mathematics*
- **Zhu, Xiaohua**  
*Advances in Mathematics*
- **Zhang, Pingwen**  
*Acta Numerica*
- **Zhang, Zhifei**  
*Annales de l'Institut Henri Poincare-Analyse Non Lineaire*
- **Wei, Dongyi**  
*Annals of Partial Differential Equations*
- **Wei, Dongyi**  
*Communications in Mathematical Physics*
- **Wu, Yan; Deng, Minghua**  
*Nature Communications*
- **Xia, Mingtao; Shao, Sihong**  
*SIAM Journal on Scientific Computing*
- **Yang, Chao**  
*Networking, Storage and Analysis: Science and Beyond*
- **Ma, Xiang**  
*Advances in Mathematics*
- **Chen, Song Xi**  
*Proceedings of the Royal Society A-Mathematical Physical and Engineering Sciences*
- **Yang, Qi**  
*Bulletin de la Societe Mathematique de France*
- **Zhang, Zhihua**  
*Journal of Machine Learning Research*
- **Yin, Jianyuan; Zhang, Pingwen**  
*National Academy of Sciences of the United States of America*
- **Jour of NationAtio Phtics2 0 2 1 ) , n w 8 T ) .**

2021 32 1 \* \* 7 \* \*  
 47 8 1 2 PDE 2  
 13 13 8  
 130

2021 10 22

2021 12 /



01.14- 12.02	Beijing- Saint Petersburg Mathematics Colloquium (online)	100
01.15- 12.03	Beijing- Moscow Mathematics Colloquium (online)	100
01.21- 12.02	Beijing- Novosibirsk seminar on geometry and mathematical physics online seminar	100
04.24	2021 PKU- POSTECH SIAMS Student Forum (Online)	50
05.06		30
07.07	Geometric analysis and nonlinear PDE	40
07.12- 08.06	2021 * *	80
09.10- 09.12		30
09.13	2021	20
11.15- 11.18	2021	120
12.11	2021	20
12.11	2021	80





4 12  
4 21

• •

1 12  
• 2021  
• 2

11 26

2021

10

2021 4 3 4  
Nijenhuis 2021  
4 " — K- " " — " " — " " —



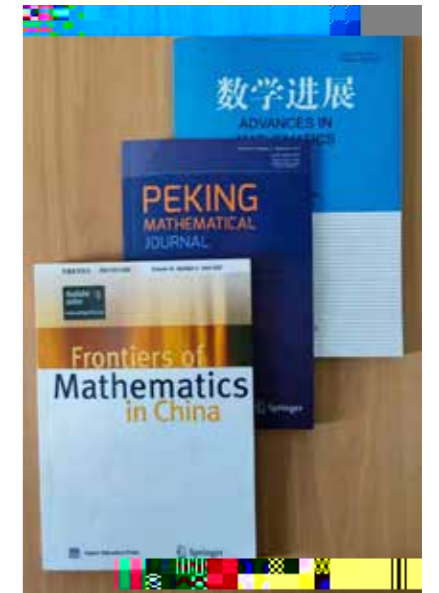
12 18-19  
300



6 4 6 " " 30  
6 10 ---  
140  
7 8 7 14  
2021 Zoom 110

10 25 \* 2021 " 4 2018- 2021

2021 344  
228 92 136  
12 \* " 1 100 6 960  
80 10 " " 1 16.9  
900  
2021 Editorial Manager 42  
14 2 304 8 4 2  
Dan Ciubotaru  
" Cocenters of  $p$ -adic Groups, III: Elliptic and Rigid Cocenters",  
12  
127 53 2 37



2021 174 6 270 9  
286 68 " " " " 99  
20 " " " " " "





# 06

## Supports

Annual Report  
School of Mathematical  
Sciences

2021

- 
- 
- 
- 
- 
- 
- 
- 
- 



2021 28 1 13 6 8 49

2021

---

IT





19- 21



2021 / / / 1-12  
 2700 170 14 850 54 1000 550

“ ” 2021 “ ” 2021 ”



2021

41

6 28 22 2 630 8  
 147 43000 1990 10300 1983  
 \* ICM2022\* 2021 76  
 6 ICM2022 7 175 75 4 3  
 14 \* Day |  
 10 +

2021 7





2021		Fano	K-	2022
2021			ACM Fellow	2021
37				2022
4	37			30
		26		

