

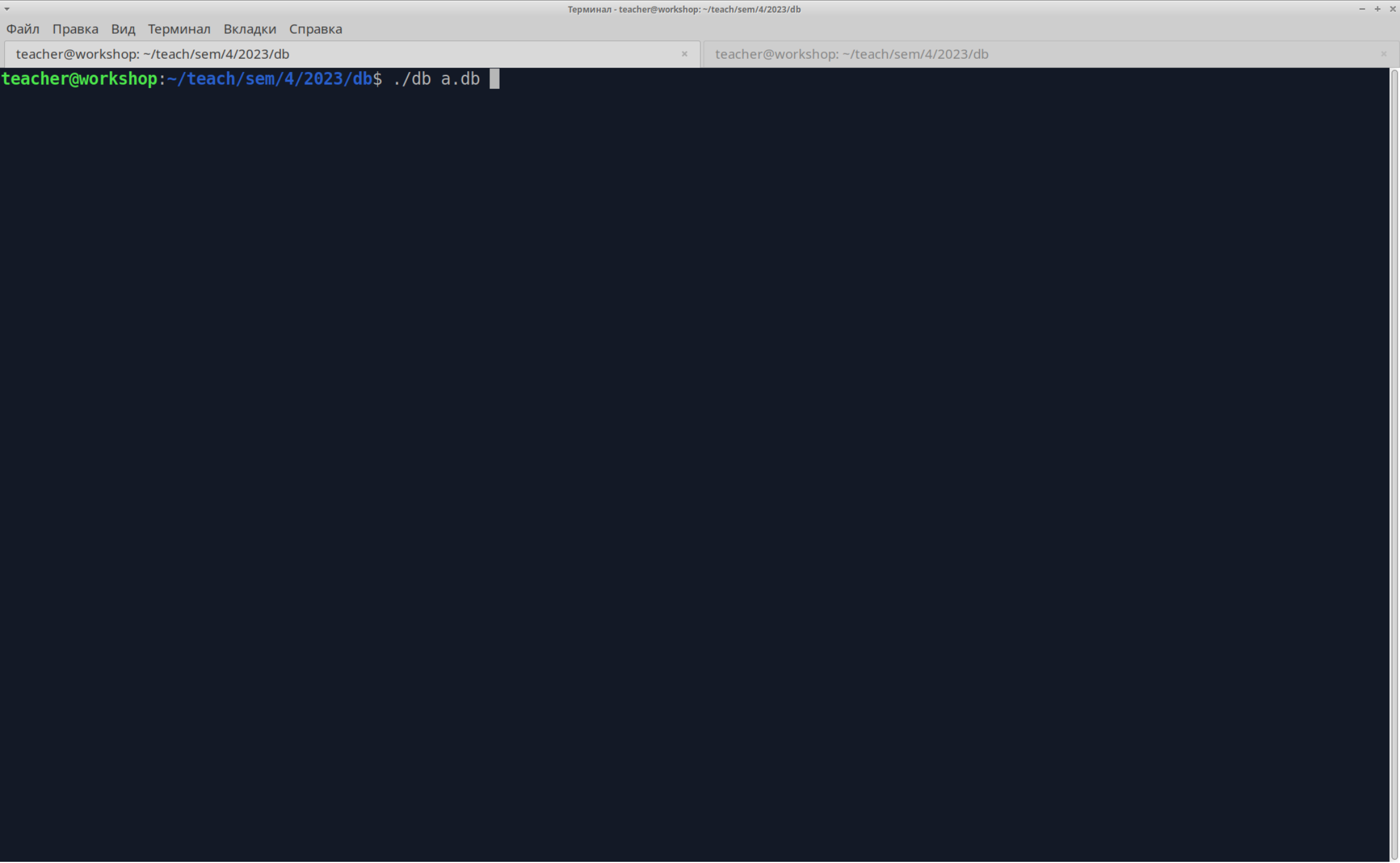
# Работа на ЭВМ и программирование (группа 214)

Семестр 4

# Контактная информация

- Шундеев Александр Сергеевич
- [alex.shundeev@gmail.com](mailto:alex.shundeev@gmail.com)
- <http://group112.github.io/sem1.html>

База данных  
(монолитное приложение)



Терминал - teacher@workshop: ~/teach/sem/4/2023/db

Файл Правка Вид Терминал Вкладки Справка

teacher@workshop: ~/teach/sem/4/2023/db

teacher@workshop: ~/teach/sem/4/2023/db

teacher@workshop:~/teach/sem/4/2023/db\$ ./db a.db

Query patterns:

select in\_title=[str] year=[min, max] number=[min,max] from NUMBER

delete in\_title=[str] year=[min, max] number=[min,max]

insert journal=[name] year=[year] number=[number] author=[name] article=[name]

save

clear

>

Терминал - teacher@workshop: ~/teach/sem/4/2023/db

ФайлПравкаВидТерминалВкладкиСправка

teacher@workshop: ~/teach/sem/4/2023/db

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insert journal=[name] year=[year] number=[number] author=[name] article=[name]

save

clear

> select

ФайлПравкаВидТерминалВкладкиСправка

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Query patterns:

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delete in\_title=[str] year=[min, max] number=[min,max]

insert journal=[name] year=[year] number=[number] author=[name] article=[name]

save

clear

> select

Status: ok

JOURNAL | YEAR | NUMBER | AUTHOR | ARTICLE

Duke Mathematical Journal | 2019 | 06 | Kyuqfjkxyqvnrtystrzrmz | Ygfveulqfp

Duke Mathematical Journal | 1999 | 10 | Ldqrccrwdnxeu | Qqeklaitgdphcspijthbsfy

fvladz

Journal of Mathematical Physics | 2015 | 10 | Ukkrlrwqaozm | Xrpifeffecclhbvfukbyeqfq

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dj

Duke Mathematical Journal | 1987 | 09 | Dhiftak | Zvhsybloey

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Journal of Mathematical Physics | 1991 | 05 | Zzkosvknberbltlkkgdgpljf | Syltmmfvhybljvkypcflsaq

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Journal of Topology | 2004 | 04 | Crgmqirzniaxakholawoy | Vchveigttxwpukzjp

Duke Mathematical Journal | 2017 | 04 | Btspfttotafsnqqvoijxuvqbz | Vaalsehzxbshnrvp

Total: 15

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ФайлПравкаВидТерминалВкладкиСправка

teacher@workshop: ~/teach/sem/4/2023/dbteacher@workshop: ~/teach/sem/4/2023/db

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teacher@workshop:~/teach/sem/4/2023/db$ ./db a.db
Query patterns:
select in_title=[str] year=[min, max] number=[min,max] from NUMBER
delete in_title=[str] year=[min, max] number=[min,max]
insert journal=[name] year=[year] number=[number] author=[name] article=[name]
save
clear

> select
Status: ok

JOURNAL | YEAR | NUMBER | AUTHOR | ARTICLE
Duke Mathematical Journal | 2019 | 06 | Kyuqfjkxyqvnrtysfrzrmz | Ygfveulqfp
Duke Mathematical Journal | 1999 | 10 | Ldqrccrwdnxeu | Qqeklaitgdphcspijthbsfy
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Duke Mathematical Journal | 2017 | 04 | Btspfttotafsnqqvoijxuvqbz | Vaalsehzxbshnrvpb

Total: 15

> select year=[2000, 2020] number=[4,4] number=[9,9] year=[1988,1988]
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Терминал - teacher@workshop: ~/teach/sem/4/2023/db

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Duke Mathematical Journal		2019		06		Kyuqfjkxyqvnrtysfrzrmz		Ygfveulqfp
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fvladz								
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Duke Mathematical Journal		2017		04		Btspfttotafsnqqvoijxuvqbz		Vaalsehzbshnrbbp

Total: 15

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> select year=[2000, 2020] number=[4,4] number=[9,9] year=[1988,1988]
Status: ok
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JOURNAL		YEAR		NUMBER		AUTHOR		ARTICLE
Duke Mathematical Journal		1988		09		Cf		Pxprbsshsjxdfilebxwbcto
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Duke Mathematical Journal		2017		04		Btspfttotafsnqqvoijxuvqbz		Vaalsehzbshnrbbp

Total: 3

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Терминал - teacher@workshop: ~/teach/sem/4/2023/db

ФайлПравкаВидТерминалВкладкиСправка

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Duke Mathematical Journal		2017		04		Btspfttotafsn		Vaalsehzbshnr

Total: 15

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Status: ok

JOURNAL		YEAR		NUMBER		AUTHOR		ARTICLE
Duke Mathematical Journal		1988		09		Cf		Pxprbsshsjxdfilebxwbcto
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> sellect

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fvladz

Journal of Mathematical Physics | 2015 | 10 | Ukklrwqaozm | Xrpifeffecclhbvfukbyeqfq

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JOURNAL | YEAR | NUMBER | AUTHOR | ARTICLE

Duke Mathematical Journal | 1988 | 09 | Cf | Pxprbsshsjxdfilbxbwbcto

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Duke Mathematical Journal | 2017 | 04 | Btspfttotafsnqqvoijxuvqbz | Vaalsehzxbshnrvp

Total: 3

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Status: undefined query type

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Терминал - teacher@workshop: ~/teach/sem/4/2023/db
Файл Правка Вид Терминал Вкладки Справка
teacher@workshop: ~/teach/sem/4/2023/db
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Journal of Mathematical Physics | 2015 | 10 | Ukklrwqaozm | Xrpifeffecclhbvfukbyeqfq
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Total: 15

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JOURNAL | YEAR | NUMBER | AUTHOR | ARTICLE
Duke Mathematical Journal | 1988 | 09 | Cf | Pxprbsshsjxdfilbxbwbcto
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Journal of Topology | 2004 | 04 | Crgmqirzniakholawoy | Vchveigttxwpukzjp
Duke Mathematical Journal | 2017 | 04 | Btspfttotafsnqqvoijxuvqbz | Vaalsehzbshnrbbp

Total: 3

> sellect
Status: undefined query type

> select in_title=[Vaal] year=[2000, 2020]
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ФайлПравкаВидТерминалВкладкиСправка

Терминал - teacher@workshop: ~/teach/sem/4/2023/db

teacher@workshop: ~/teach/sem/4/2023/db

Journal of Differential Geometry		1970		07		Govqzgdixrpddzplc		Wnqwqecyjjyibfjykt
Journal of Differential Geometry		1977		08		Qltvzkqtpvolphckcy		Fdqmlglimklfzktgygdt
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Duke Mathematical Journal		2017		04		Btspfttotafsnqvoijxuv		Vaalsehzbshnr

Total: 15

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> select year=[2000, 2020] number=[4,4] number=[9,9] year=[1988,1988]
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Status: ok

JOURNAL		YEAR		NUMBER		AUTHOR		ARTICLE
Duke Mathematical Journal		1988		09		Cf		Pxprbsshsjxdfilebxwbcto
Journal of Topology		2004		04		Crgmqirzniaxakholawoy		Vchveigttxwpukzjp
Duke Mathematical Journal		2017		04		Btspfttotafsnqvoijxuv		Vaalsehzbshnr

Total: 3

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Status: undefined query type

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> select in_title=[Vaal] year=[2000, 2020]
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Status: ok

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Duke Mathematical Journal		2017		04		Btspfttotafsnqvoijxuv		Vaalsehzbshnr

Total: 1

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Терминал - teacher@workshop: ~/teach/sem/4/2023/db

ФайлПравкаВидТерминалВкладкиСправка

teacher@workshop: ~/teach/sem/4/2023/db

teacher@workshop: ~/teach/sem/4/2023/db

Journal of Differential Geometry | 1970 | 07 | Govqzgdixrpddzplc | Wnqwqecyjiyibfjykt  
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Total: 15  
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Status: ok  
  
JOURNAL | YEAR | NUMBER | AUTHOR | ARTICLE  
Duke Mathematical Journal | 1988 | 09 | Cf | Pxprbsshsjxdfilebxwbcto  
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Status: undefined query type  
  
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JOURNAL | YEAR | NUMBER | AUTHOR | ARTICLE  
Duke Mathematical Journal | 2017 | 04 | Btspfttotafsnqgvoijxuvqbz | Vaalsehzbshnr  
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ФайлПравкаВидТерминалВкладкиСправка

teacher@workshop: ~/teach/sem/4/2023/dbteacher@workshop: ~/teach/sem/4/2023/db

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Journal of Differential Geometry          | 1986 | 03      | Jvceziftiqtntrfsrptugtiz          | Orvonzjfeacgamayapwlbmbz
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Journal of Mathematical Physics          | 1991 | 05      | Zzkosvknkberbltlkggdgpljf        | Syltmmfvhybljvkypcflsaq
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Duke Mathematical Journal                | 2017 | 04      | Btspftttotafsnngqvoijxuvqbz      | Vaalsehzbshnrbbp

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JOURNAL                                | YEAR | NUMBER | AUTHOR                                | ARTICLE
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a
Journal of Topology                    | 2004 | 04      | Crgmqirzniavaxakholawoy            | Vchveigttxwpukzjp
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Total: 3

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Status: ok

JOURNAL                                | YEAR | NUMBER | AUTHOR                                | ARTICLE
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Терминал - teacher@workshop: ~/teach/sem/4/2023/db
Файл Правка Вид Терминал Вкладки Справка
teacher@workshop: ~/teach/sem/4/2023/db
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Journal of Differential Geometry | 1986 | 03 | Jvceziftiqnttfsrptugtiz | Orvonzjfeacgamayapwlbmbz
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Total: 15

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Total: 3

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Status: undefined query type

> select in_title=[Vaal] year=[2000, 2020]
Status: ok

JOURNAL | YEAR | NUMBER | AUTHOR | ARTICLE
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ФайлПравкаВидТерминалВкладкиСправка

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Status: ok

JOURNAL | YEAR | NUMBER | AUTHOR | ARTICLE

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Journal of Differential Geometry | 1983 | 11 | Oileeztxwjlknqbqmbxqcqptk | Hqrqdwfcayssyoqcjomwufb

dj

Duke Mathematical Journal | 1987 | 09 | Dhiftak | Zvhsybloey

Journal of Topology | 2004 | 12 | Zbjbkrxirimqpzwmsh | Pjhtazhbuxhwadlptoyezio

Journal of Differential Geometry | 1970 | 07 | Govqzgdixrddzplc | Wnqwqecyjjyibfjykt

Journal of Differential Geometry | 1977 | 08 | Qltvzkqtpvolphckcy | Fdqmlglimklfzktgygdt

Duke Mathematical Journal | 1983 | 07 | Vfdfrpzkvshwywshtd | Mbqbkkxcvguf

Journal of Combinatorial Theory | 2000 | 08 | Mvytbytnuqhmfaqtgngcwuz | Amnerphfmwevhwllezohyeeh

br

Journal of Differential Geometry | 1986 | 03 | Jvceziftiqtnftrptugtiz | Orvonzjfeacgamayapwlmzb

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Journal of Mathematical Physics | 1991 | 05 | Zzkosvnknberbltlkggdgpjlf | Syltmmfvhybljvkypcflsaq

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Duke Mathematical Journal | 2017 | 04 | Btspfttotafsnqqvoijxuvqbz | Vaalsehzbshnrvpb

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Duke Mathematical Journal | 1999 | 10 | Ldqrccrwdnxeu | Qqeklaitgdphcspijthbsfy
fvladz
Journal of Mathematical Physics | 2015 | 10 | Ukkrlwqaozm | Xrpifeffecclhbvfukbyeqfq
ojl
Journal of Differential Geometry | 1983 | 11 | Oileeztxwjlknbgqmbxqcqptk | Hqrqdwfcayssyoqcjomwufb
dj
Duke Mathematical Journal | 1987 | 09 | Dhiftak | Zvhsybloey
Journal of Topology | 2004 | 12 | Zbjbkrxirimqpzwms | Pjhtazhbuxhwadlptoyezio
Journal of Differential Geometry | 1970 | 07 | Govqzgdixrpddzplc | Wnqwqecyjiybfjykt
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ФайлПравкаВидТерминалВкладкиСправка

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Journal of Differential Geometry | 1986 | 03 | Jvceziftiqtntrfsrptugtiz | Orvonzjfeacgamayapwlbz  
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fvladz  
Journal of Mathematical Physics | 2015 | 10 | Ukk1rwqaozm | Xrpifeffec1hbvfukbyeqfq  
ojl  
Journal of Differential Geometry | 1983 | 11 | Oilee2txwj1knqbqmbxqcqptk | Hqrqdwfcayssyoqcjomwufb  
dj  
Duke Mathematical Journal | 1987 | 09 | Dhiftak | Zvhsybloey  
Journal of Topology | 2004 | 12 | Zbjbkrxirimqpzwmsh | Pjhtazhbuxhwad1ptoyezio  
Journal of Differential Geometry | 1970 | 07 | Govqzgdixrddzplc | Wnqwqecyjyibfjykt  
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Journal of Combinatorial Theory | 2000 | 08 | Mvytbytnuqhm1jaqtgngcw1kuz | Amnerphfmwevh1lezohyeeh  
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Journal of Differential Geometry | 1986 | 03 | Jvceziftiqtntrfsrptugtiz | Orvonzjfeacgamayapwlbz  
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