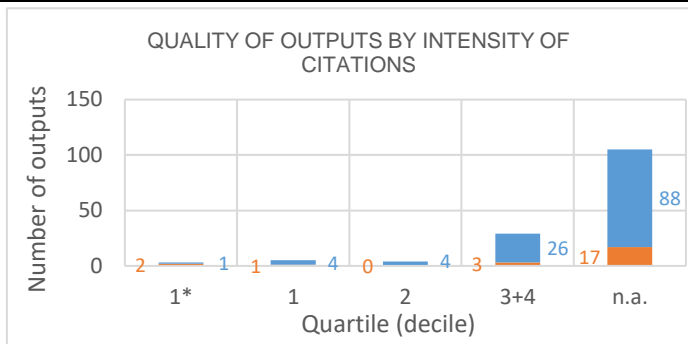
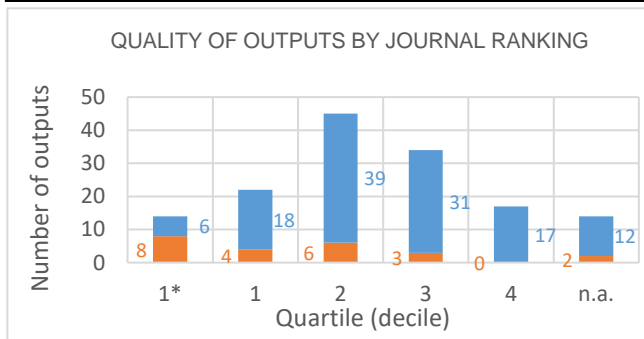


# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Mathematics of the CAS, v. v. i.  
**Team:** Abstract Analysis  
**Head:** Wiesław Kubiś  
**Field:** Mathematics  
**Total number of outputs:** 146      **Evaluated outputs:** 23



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	2	8
B	1	7
B1		8
C	10	45
C1	8	46
D		2
D1		1
E		
n.a.	2	5
Without affiliation		1
A1+B1+C1+D1	10	63
B+C+D+E	11	54

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Mathematics	21	113
Mathematics Applied	7	53
n.a.	2	5
Multidisciplinary Sciences	1	4
Physics Mathematical		5
Computer Science Software Engineering		1
Logic	1	
Physics Multidisciplinary		1

**Total number of outputs:** outputs of the team published during the evaluated period 2015-2019.

**Evaluated outputs:** selected outputs submitted by the team to the Phase I of evaluation.

**Outputs used for bibliometry:** subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.

**Quality of outputs by journal ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.

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**Types of collaboration:** outputs created exclusively in a particular institute are marked by A1, outputs created within national cooperation by max. 5 organizations are marked by B, outputs created within international cooperation by max. 5 organizations are marked C, outputs created within large collaboration exceeding 5 organizations are marked D, outputs created within large international collaboration are marked E. It is distinguished by marking B1/B, C1/C and D1/D whether the output has/does not have a corresponding author from a particular team.

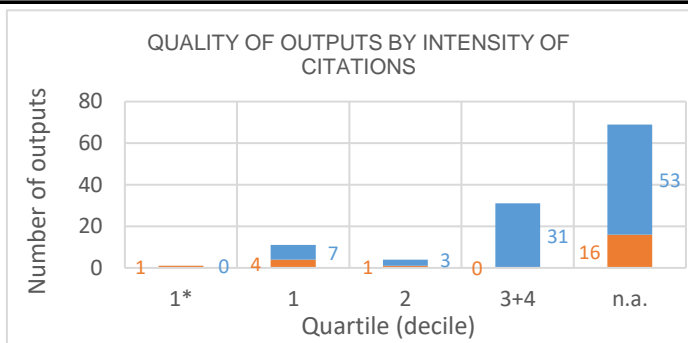
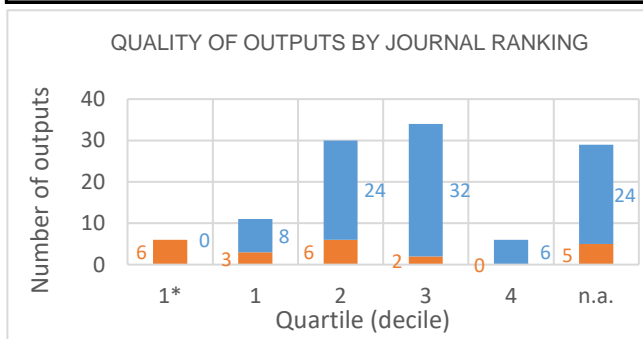
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**Detailed explanation of the indicators is provided in the Methodology of evaluation, Annex 2 – Bibliometrics.**

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Mathematics of the CAS, v. v. i.  
**Team:** Algebra, Geometry and Mathematical Physics  
**Head:** Vojtěch Pravda  
**Field:** Mathematics  
**Total number of outputs:** 116      **Evaluated outputs:** 22



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	4	36
B		
B1	4	17
C	6	19
C1	3	20
D		
D1		
E		
n.a.	5	2
Without affiliation		
A1+B1+C1+D1	11	73
B+C+D+E	6	19

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Mathematics	6	31
Physics Particles Fields	8	28
Astronomy Astrophysics	5	20
Physics Multidisciplinary	4	14
Physics Mathematical	5	12
Mathematics Applied	3	10
Mechanics		12
Quantum Science Technology	3	7
Materials Science Multidisciplinary		8
Mathematics Interdisciplinary Applica		7
n.a.	5	2
Statistics Probability	1	4
Physics Applied		3
Physics Nuclear	1	2
Computer Science Artificial Intelligence		2
Computer Science Theory Methods		2
Engineering Multidisciplinary		2
Automation Control Systems		1
Engineering Industrial		1
Engineering Manufacturing		1

**Total number of outputs:** outputs of the team published during the evaluated period 2015-2019.

**Evaluated outputs:** selected outputs submitted by the team to the Phase I of evaluation.

**Outputs used for bibliometry:** subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.

**Quality of outputs by journal ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.

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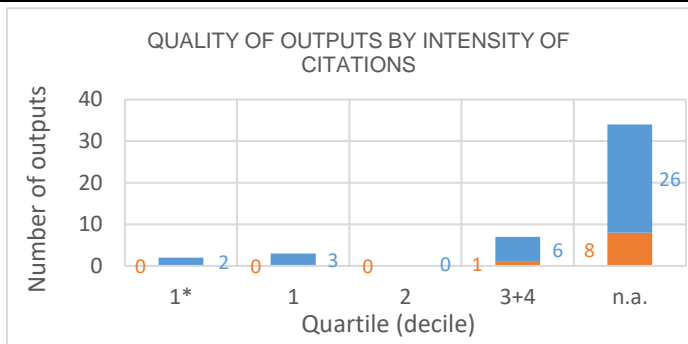
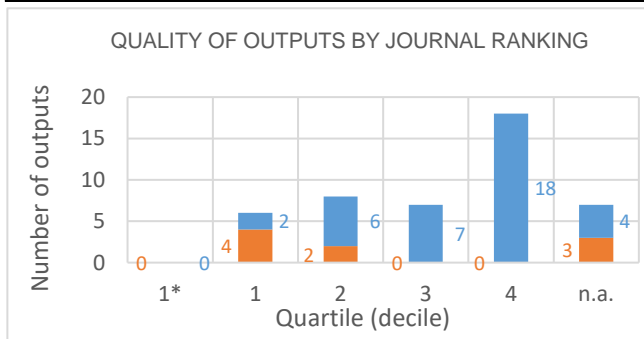
**Field structure of outputs:** number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.

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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Mathematics of the CAS, v. v. i.  
**Team:** Differential Equations and Theory of Integral  
**Head:** Robert Hakl  
**Field:** Mathematics  
**Total number of outputs:** 46      **Evaluated outputs:** 9



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	5
B		3
B1	1	6
C	2	9
C1	3	13
D		
D1		
E		
n.a.	2	1
Without affiliation		
A1+B1+C1+D1	5	24
B+C+D+E	2	12

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Mathematics	3	31
Mathematics Applied	6	17
n.a.	2	1

**Total number of outputs:** outputs of the team published during the evaluated period 2015-2019.

**Evaluated outputs:** selected outputs submitted by the team to the Phase I of evaluation.

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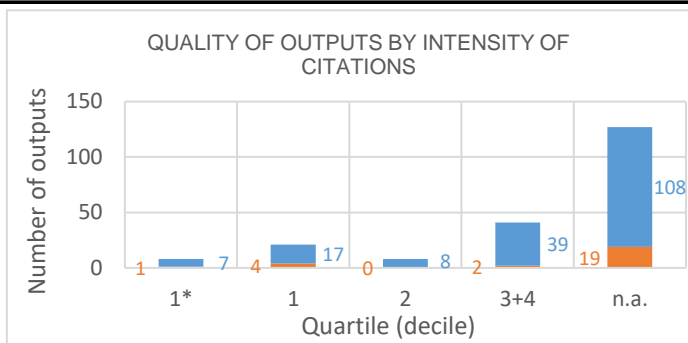
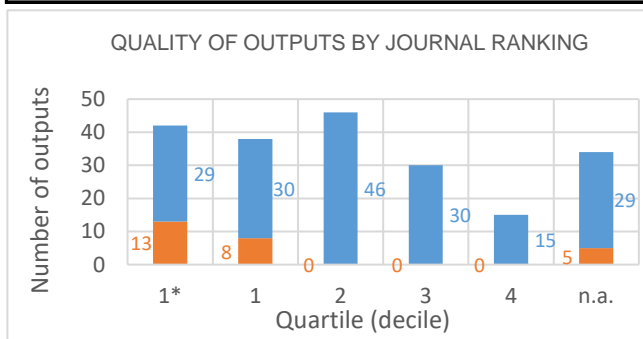
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Mathematics of the CAS, v. v. i.  
**Team:** Evolution Differential Equations  
**Head:** Šárka Nečasová  
**Field:** Mathematics  
**Total number of outputs:** 205      **Evaluated outputs:** 26



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	37
B	1	7
B1	1	9
C	10	66
C1	6	57
D		
D1		1
E		
n.a.	5	2
Without affiliation		
A1+B1+C1+D1	10	104
B+C+D+E	11	73

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Mathematics Applied	19	116
Mathematics	4	88
Mechanics	5	15
Physics Mathematical	2	18
Physics Fluids Plasmas	2	9
Engineering Mechanical		7
n.a.	5	2
Mathematics Interdisciplinary Applica		6
Automation Control Systems		3
Materials Science Multidisciplinary		2
Computer Science Interdisciplinary A		1
Computer Science Theory Methods		1
Engineering Multidisciplinary		1
Physics Applied		1
Physics Condensed Matter		1
Statistics Probability		1
Thermodynamics		1

**Total number of outputs:** outputs of the team published during the evaluated period 2015-2019.

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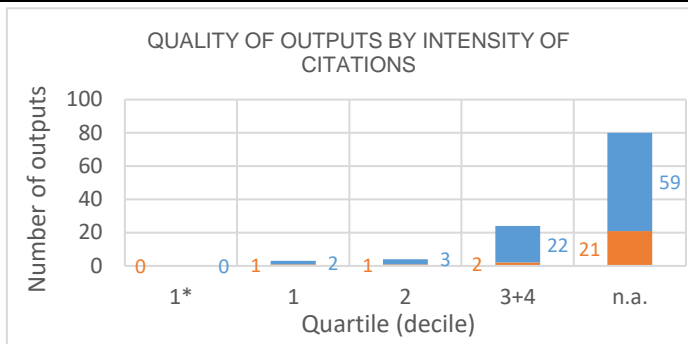
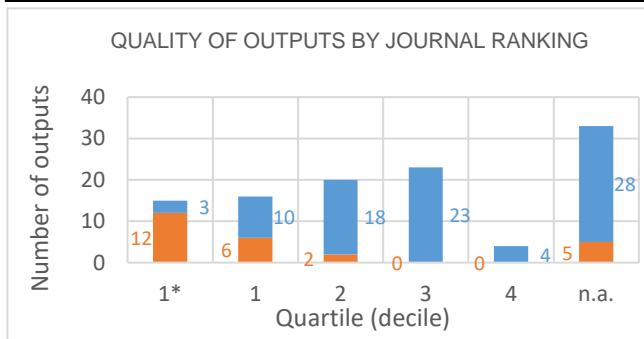
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Mathematics of the CAS, v. v. i.  
**Team:** Mathematical Logic and Theoretical Computer Science  
**Head:** Pavel Pudlák  
**Field:** Computer and information sciences  
**Total number of outputs:** 111      **Evaluated outputs:** 25



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	6	31
B		2
B1	1	1
C	7	19
C1	8	32
D		
D1		1
E		
n.a.	3	
Without affiliation		
A1+B1+C1+D1	15	65
B+C+D+E	7	21

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Mathematics	13	40
Mathematics Applied	7	24
Computer Science Theory Methods	5	21
Logic	3	18
Automation Control Systems	3	13
Engineering Electrical Electronic	5	6
n.a.	3	4
Computer Science Information System	1	4
Computer Science Software Engineering	2	3
Operations Research Management Science		5
Computer Science Hardware Architecture		1
Multidisciplinary Sciences		1
Robotics		1

**Total number of outputs:** outputs of the team published during the evaluated period 2015-2019.

**Evaluated outputs:** selected outputs submitted by the team to the Phase I of evaluation.

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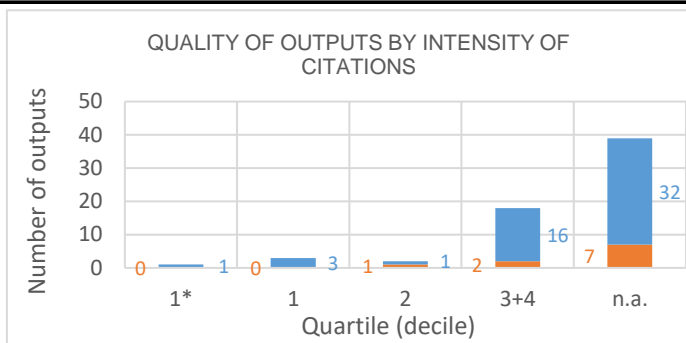
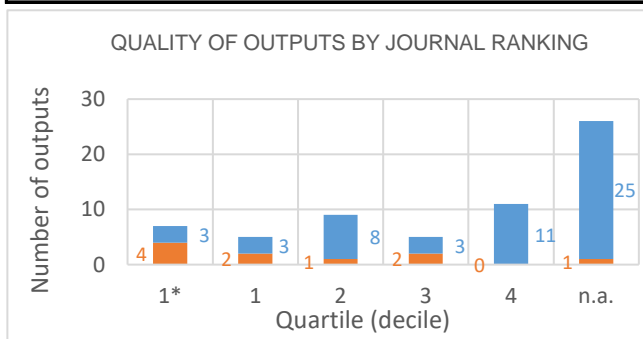
**Institute:** Institute of Mathematics of the CAS, v. v. i.

**Team:** Numerical Analysis

**Head:** Michal Křížek

**Field:** Mathematics

**Total number of outputs:** 63      **Evaluated outputs:** 10



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	16
B		6
B1		1
C	4	15
C1	4	9
D		1
D1		
E		
n.a.	1	5
Without affiliation		
A1+B1+C1+D1	5	26
B+C+D+E	4	22

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Mathematics Applied	6	13
Mathematics	1	13
Astronomy Astrophysics		7
n.a.	1	5
Physics Mathematical	1	5
Mathematics Interdisciplinary Applica	1	4
Mechanics	1	4
Computer Science Interdisciplinary A	2	2
Physics Fluids Plasmas		4
Engineering Multidisciplinary	2	1
Computer Science Artificial Intelligenc		2
Computer Science Software Engineer	1	1
Engineering Aerospace		2
Engineering Mechanical		2
Physics Applied		2
Chemistry Multidisciplinary		1
Materials Science Multidisciplinary		1
Multidisciplinary Sciences		1
Nanoscience Nanotechnology		1

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