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- **Cobertura:** desde 1935 (desde 1826 con la incorporación de digitalizaciones).
- **Temática:** se extiende a todas las áreas de la Matemática Pura y Aplicada y a la Historia de las Matemáticas.
- **Actualización:** diaria.

LA CLASIFICACIÓN MSC (Mathematical Subject Classification)

Se usa para:

- Clasificar artículos científicos
- Buscar literatura matemática
- Organizar revistas y bases de datos
- Indicar el área de investigación de un artículo

Por ejemplo, un artículo puede llevar:

Primary: 35Q55

Secondary: 76D05

Esto significa que el tema principal es PDE* (Navier–Stokes) y el secundario, mecánica de fluidos.

*Partial Differential Equation = Ecuaciones Diferenciales Parciales

ESTRUCTURA DE LOS CÓDIGOS

Cada código tiene **5 caracteres** y se **divide en tres niveles**:

Ejemplo: 35Q55

35 → **Area principal de las matemáticas**

Q → **Subárea dentro de esa disciplina**

55 → **Tema específico**

35Q55 = Ecuaciones de Navier–Stokes dentro de las ecuaciones diferenciales parciales.

Tipos especiales de códigos

En MSC también aparecen algunos patrones especiales:

- XX-00 → Obras generales de un área
Ej.: 35-00 libros generales de PDE
- XX-01 → textos introductorios
- XX-02 → trabajos de investigación expositiva
- XX-04 → software matemático
- XX-06 → actas de congresos

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Newest Citations Relevance

- Yoshioka, Masaki; Tanaka, Fuyuhiko
Two types of matching priors for non-regular statistical models. (English) [\[Zbl 08169469\]](#)
 Nielsen, Frank (ed.) et al., Geometric science of information, 7th international conference, GSI 2025, Saint-Malo, France, October 29–31, 2025. Proceedings. Part II. Cham: Springer. Lect. Notes Comput. Sci. 16034, 151-160 (2026).
 MSC: 53B12
[Cite](#) [Review PDF](#) Full Text: [DOI](#)
- Kurisu, Daisuke; Otsu, Taisuke
Empirical likelihood for manifolds. (English) [\[Zbl 08169195\]](#)
 J. R. Stat. Soc., Ser. B, Stat. Methodol. 88, No. 1, 91-119 (2026).
 MSC: 62-XX
[Cite](#) [Review PDF](#) Full Text: [DOI](#)
- Li, Xilun; Li, Zhan; Yang, Xuebo; Yu, Xinghu; Qiu, Jianbin
Strategies and equilibrium for two-evader single-pursuer chase games under incomplete information structure. (English) [\[Zbl 08168858\]](#)
 Syst. Control Lett. 210, Article ID 106382, 8 p. (2026).
 MSC: 93-XX
[Cite](#) [Review PDF](#) Full Text: [DOI](#)
- Aswathi, K. P.; Kumar, M.
Reliability estimation for Lomax distribution based on block progressive Type-II censoring methodology. (English) [\[Zbl 08168330\]](#)
 Stat. Comput. 36, No. 2, Paper No. 82, 26 p. (2026).
 MSC: 62-08
[Cite](#) [Review PDF](#) Full Text: [DOI](#)
- Hoffmann, Till; Onnela, Jukka-Pekka
Unifying summary statistic selection for approximate Bayesian computation. (English) [\[Zbl 08168318\]](#)
 Stat. Comput. 36, No. 2, Paper No. 70, 20 p. (2026).
 MSC: 62-08
[Cite](#) [Review PDF](#) Full Text: [DOI](#) [arXiv](#)
- Belov, Dmitry I.; Lüdtke, Oliver; Ulitzsch, Esther
A supervised learning approach to estimating IRT models in small samples. (English) [\[Zbl 08167979\]](#)
 Br. J. Math. Stat. Psychol. 79, No. 1, 66-94 (2026).
 MSC: 62P15

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Access

Open Version (5,038)

Document Type

Journal Articles (13,230)
 Collection Articles (1,796)
 Books (1,704)
 arXiv Preprints (299)

Database

Zbl (16,730)
 arXiv (299)

Author

all

Ghosh, Malay (59)
 Strawderman, William Edward (51)
 Tsiouas, Efthymios Georgiou (44)
 Kadane, Joseph Born (43)
 Berger, James Orvis (42)

Serial

all

Commun. Stat., Theory Methods (1,208)
 IEEE Trans. Signal Process. (343)
 Ann. Stat. (292)
 J. Econ. Theory (235)
 J. Stat. Plann. Inference (208)

Year of Publication

all

2026 (90)
 2025 (583)
 2024 (571)
 2023 (601)
 2022 (669)

Main Field

all

62-XX (11,421)
 91-XX (3,401)
 68-XX (2,369)

Documentos

Filtros

Yoshioka, Masaki; Tanaka, Fuyuhiko

Two types of matching priors for non-regular statistical models. (English) Zbl 08169469

Nielsen, Frank (ed.) et al., Geometric science of information. 7th international conference, GSI 2025, Saint-Malo, France, October 29–31, 2025. Proceedings. Part II. Cham: Springer. Lect. Notes Comput. Sci. 16034, 151-160 (2026).

MSC: [53812](#)

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Se puede:

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RESULTADOS DE LA BÚSQUEDA: Perfil del investigador

Ivorra, Benjamin

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Author ID: [ivorra.benjamin](#)

[Co-Author Distance](#)

Published as: Ivorra, Benjamin; Ivorra, B.

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Documents Indexed: 34 Publications since 2006, including 2 Additional arXiv Preprints

Software Indexed: 3 Packages referenced in 37 Documents

Co-Authors: 32 Co-Authors with 33 Joint Publications
870 Co-Co-Authors

Co-Authors

all ▾

- 1 single-authored
- 29 Ramos, Angel Manuel
- 8 Mohammadi, Bijan
- 5 Ferrández, Miriam R.
- 5 Ngom, Diène
- 4 Crespo, María

COAUTORES

Serials

all ▾

- 3 Electronic Journal of Differential Equations (EJDE)
- 3 Communications in Nonlinear Science and Numerical Simulation
- 2 International Journal for Numerical Methods in Engineering
- 2 Journal of Optimization Theory and Applications
- 2 Mathematical and Computer Modelling

Revistas en las que
ha publicado

Fields

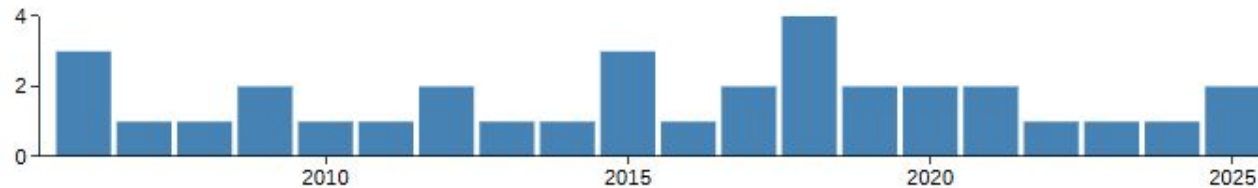
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- 14 Biology and other natural sciences (92-XX)
- 8 Fluid mechanics (76-XX)
- 8 Operations research, mathematical programming (90-XX)
- 7 Partial differential equations (35-XX)
- 6 Calculus of variations and optimal control; optimization (49-XX)

Clasificación temática:
Campos en los que publica

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Publications by Year



Publicaciones por años

Citations contained in zbMATH Open

all cited Publications ▾

29 Publications have been cited 270 times in 179 Documents

Cited by ▼ Year

Mathematical modeling of the spread of the coronavirus disease 2019 (COVID-19) taking into account the undetected infections. The case of China. Zbl 1444.92114 Ivorra, B.; Ferrández, M. R.; Vela-Pérez, Maria; Ramos, A. M.	88	2020
Be-CoDiS: a mathematical model to predict the risk of human diseases spread between countries – validation and application to the 2014–2015 ebola virus disease epidemic. Zbl 1339.92085 Ivorra, Benjamin; Ngom, Diène; Ramos, Ángel M.	31	2015
Semi-deterministic and genetic algorithms for global optimization of microfluidic protein-folding devices. Zbl 1110.76311 Ivorra, Benjamin; Hertzog, David E.; Mohammadi, Bijan; Santiago, Juan G.	13	2006
Stochastic topology design optimization for continuous elastic materials. Zbl 1423.74727 Carrasco, Miguel; Ivorra, Benjamin; Ramos, Angel Manuel	13	2015
A simple but complex enough θ -SIR type model to be used with COVID-19 real data. Application to the case of Italy. Zbl 1492.92107 Ramos, A. M.; Ferrández, M. R.; Vela-Pérez, M.; Kubik, A. B.; Ivorra, B.	12	2021

all cited Publications ▾

Ranking de
publicaciones
más citadas

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Cited by 440 Authors

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- 27 Ramos, Angel Manuel
- 22 Ivorra, Benjamin
- 10 Mohammadi, Bijan
- 8 Lubuma, Jean Mbaro-Saman
- 5 Berge, Tsanou

Cited in 85 Serials

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- 8 Computer Methods in Applied Mechanics and Engineering
- 8 Advances in Difference Equations
- 7 Chaos, Solitons and Fractals
- 6 Mathematical Biosciences and Engineering
- 5 Mathematical Methods in the Applied Sciences

Cited in 27 Fields

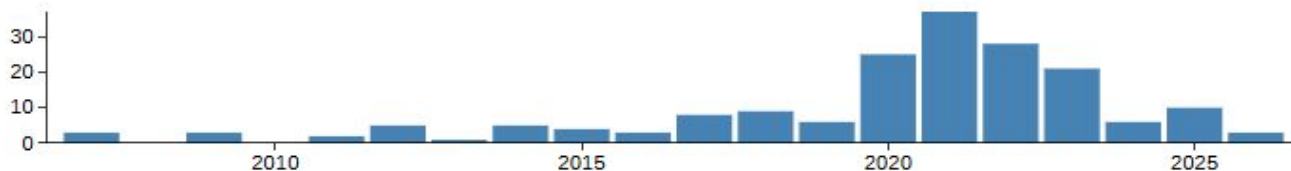
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- 122 Biology and other natural sciences (92-XX)
- 49 Ordinary differential equations (34-XX)
- 23 Dynamical systems and ergodic theory (37-XX)
- 21 Numerical analysis (65-XX)
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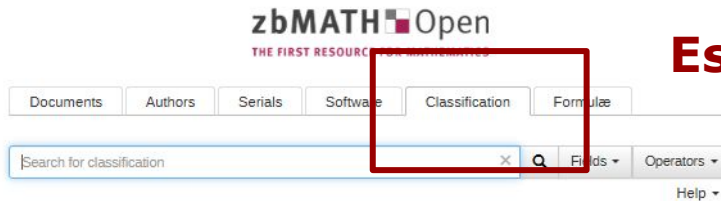
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EJEMPLO DE BÚSQUEDA POR MSC



Es el tipo de búsqueda más adecuada

Mathematics Subject Classification – MSC2020

MSC2020 is the latest revision of the Mathematics Subject Classification (MSC), jointly published by Mathematical Reviews and zbMATH Open under a Creative Commons CC-BY-NC-SA license. It replaces the 2010 Mathematics Subject Classification. For details on the revision, read more in the article <https://doi.org/10.4171/NEWS/115/2>.

The final version is also available as a complete [msc2020.pdf](#) file.

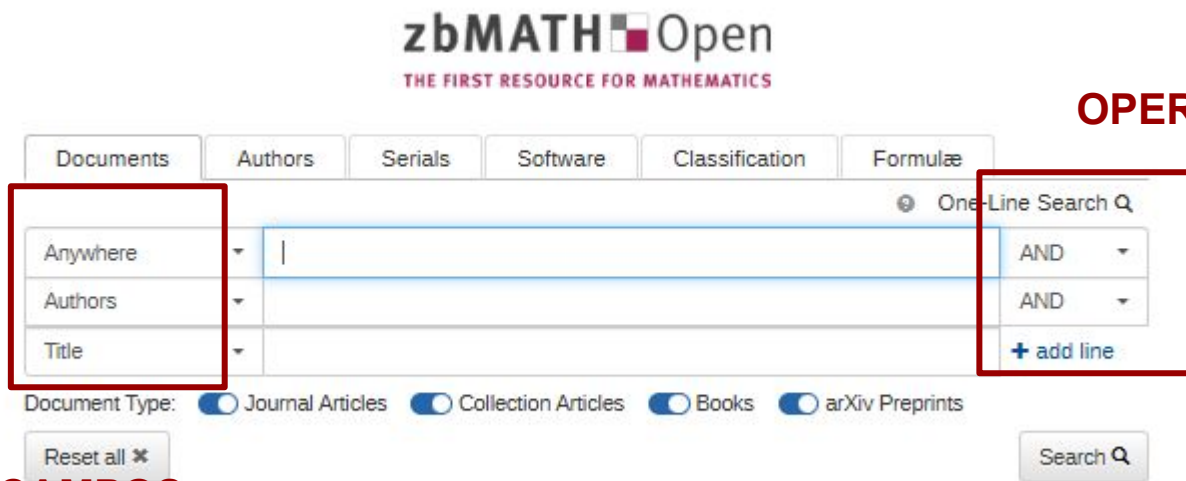
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| 00 General and overarching topics; collections ↗ | 34 Ordinary differential equations ↗ | 62 Statistics ↗ |
| 01 History and biography ↗ | 35 Partial differential equations ↗ | 65 Numerical analysis ↗ |
| 03 Mathematical logic and foundations ↗ | 37 Dynamical systems and ergodic theory ↗ | 68 Computer science ↗ |
| 05 Combinatorics ↗ | 39 Difference and functional equations ↗ | 70 Mechanics of particles and systems ↗ |
| 06 Order, lattices, ordered algebraic structures ↗ | 40 Sequences, series, summability ↗ | 74 Mechanics of deformable solids ↗ |
| 08 General algebraic systems ↗ | 41 Approximations and expansions ↗ | 76 Fluid mechanics ↗ |
| 11 Number theory ↗ | 42 Harmonic analysis on Euclidean spaces ↗ | 78 Optics, electromagnetic theory ↗ |
| 12 Field theory and polynomials ↗ | 43 Abstract harmonic analysis ↗ | 80 Classical thermodynamics, heat transfer ↗ |
| 13 Commutative algebra ↗ | 44 Integral transforms, operational calculus ↗ | 81 Quantum theory ↗ |
| 14 Algebraic geometry ↗ | 45 Integral equations ↗ | 82 Statistical mechanics, structure of matter ↗ |
| 15 Linear and multilinear algebra; matrix theory ↗ | 46 Functional analysis ↗ | 83 Relativity and gravitational theory ↗ |
| 16 Associative rings and algebras ↗ | 47 Operator theory ↗ | 85 Astronomy and astrophysics ↗ |
| 17 Nonassociative rings and algebras ↗ | 49 Calculus of variations and optimal control; optimization ↗ | 86 Geophysics ↗ |
| 18 Category theory; homological algebra ↗ | 51 Geometry ↗ | 90 Operations research, mathematical programming ↗ |
| 19 K -theory ↗ | 52 Convex and discrete geometry ↗ | 91 Game theory, economics, finance, and other social and behavioral sciences ↗ |
| 20 Group theory and generalizations ↗ | 53 Differential geometry ↗ | 92 Biology and other natural sciences ↗ |
| 22 Topological groups, Lie groups ↗ | 54 General topology ↗ | 93 Systems theory; control ↗ |
| 26 Real functions ↗ | 55 Algebraic topology ↗ | 94 Information and communication theory, circuits ↗ |
| 28 Measure and integration ↗ | 57 Manifolds and cell complexes ↗ | 97 Mathematics education ↗ |
| 30 Functions of a complex variable ↗ | 58 Global analysis, analysis on manifolds ↗ | |

¿Por qué?

Porque busca por la clasificación (MSC) que cada autor asigna a su artículo.

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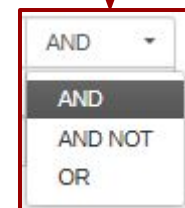
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Newest Citations Relevance

- Polyanin, Andrei D.
Handbook of exact solutions to mathematical equations. (English) [Zbl 1485.34001]
Advances in Applied Mathematics (Boca Raton). Boca Raton, FL: CRC Press (ISBN 978-0-367-50799-2/hbk; 978-1-032-80723-2/pbk; 978-1-003-05132-9/ebook). xviii, 641 p. (2022).
MSC: 33-00 34-00 35-00 26-00 34A05 35C05
Cite Review PDF Full Text: DOI
- Zwillinger, Daniel; Dobrushkin, Vladimir
Handbook of differential equations. 4th edition. (English) [Zbl 1485.34001]
Advances in Applied Mathematics (Boca Raton). Boca Raton, FL: CRC Press (ISBN 978-0-367-25257-1/hbk; 978-0-429-28683-4/ebook). xix, 716 p. (2022).
MSC: 34-00 65L05 35-00 34A25 65J99 34A30 34C20 34A34 34K05 34A45 60H10
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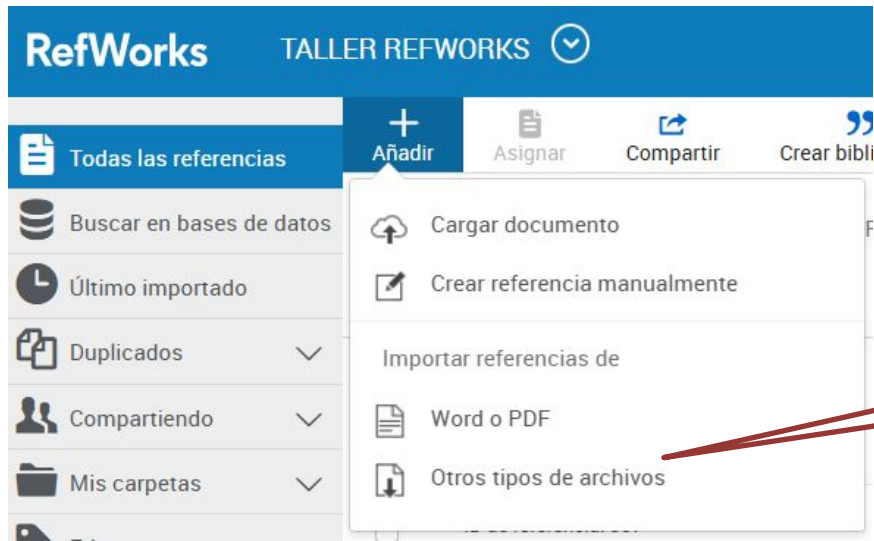
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Nombre: Zwillinger

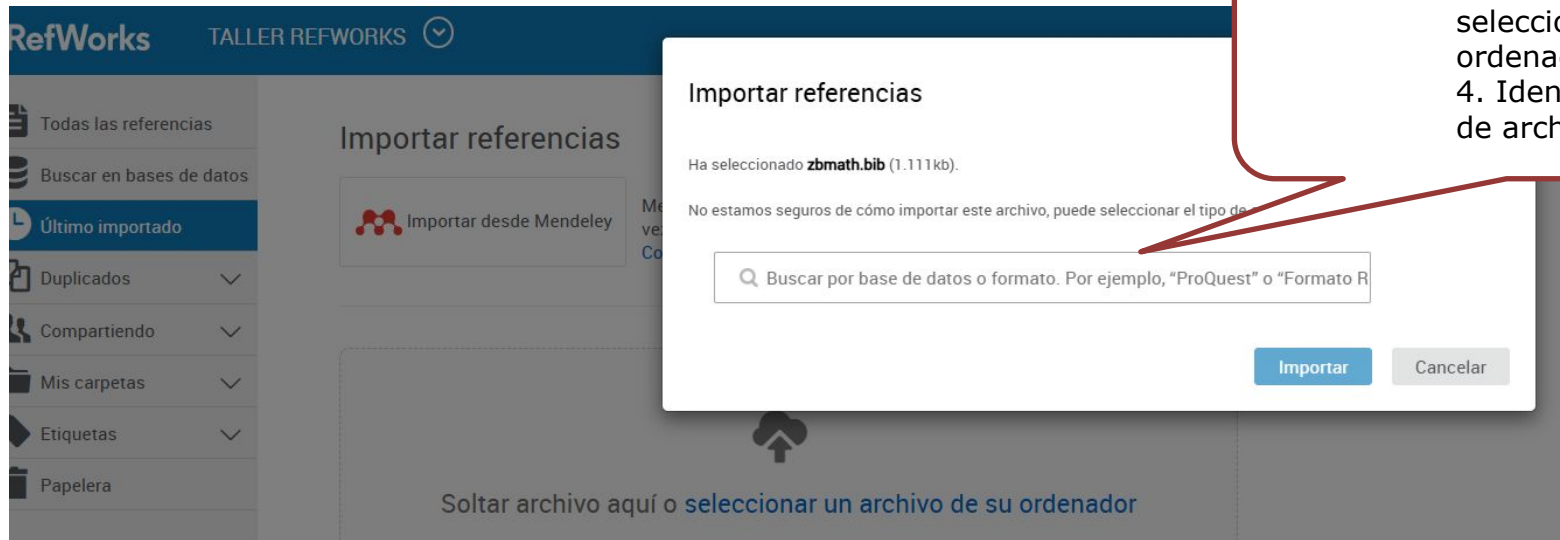
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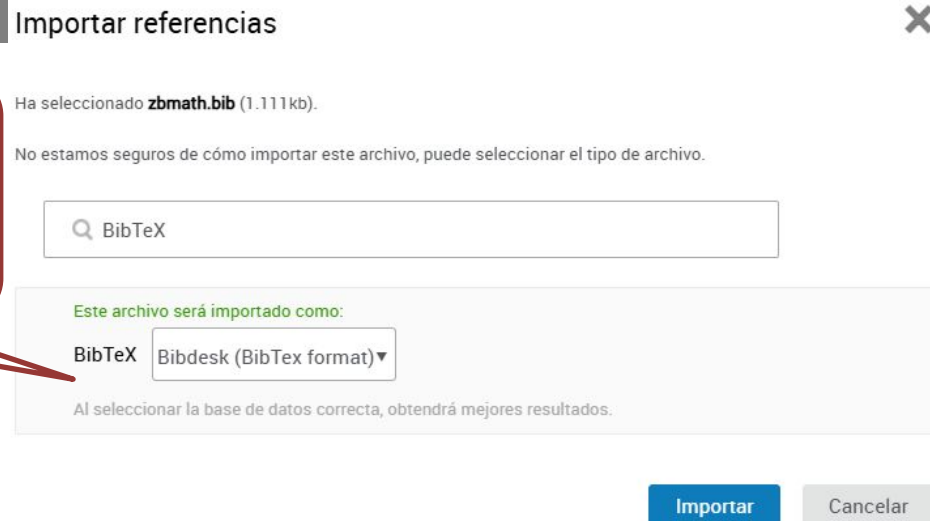


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