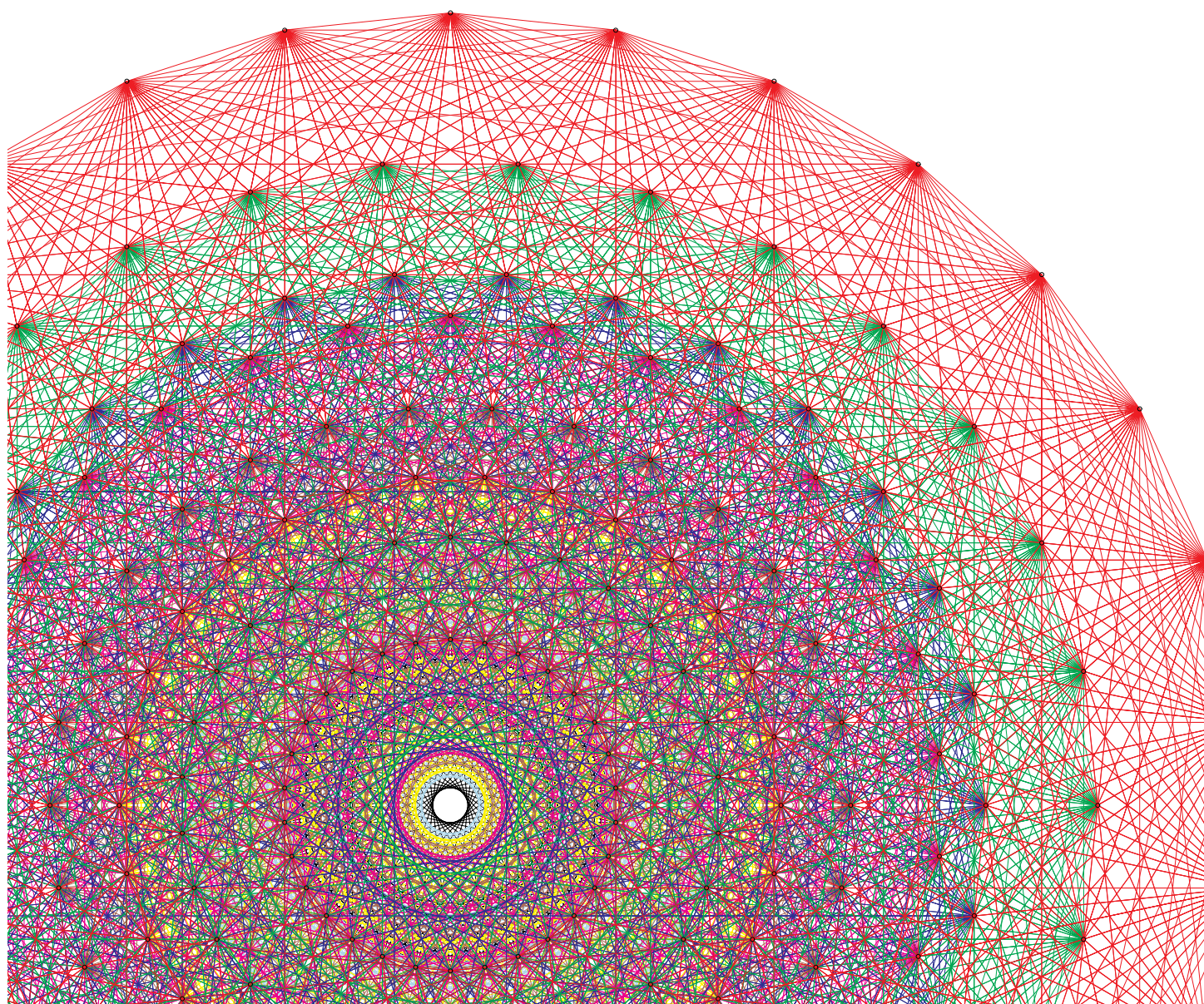


AMERICAN MATHEMATICAL SOCIETY

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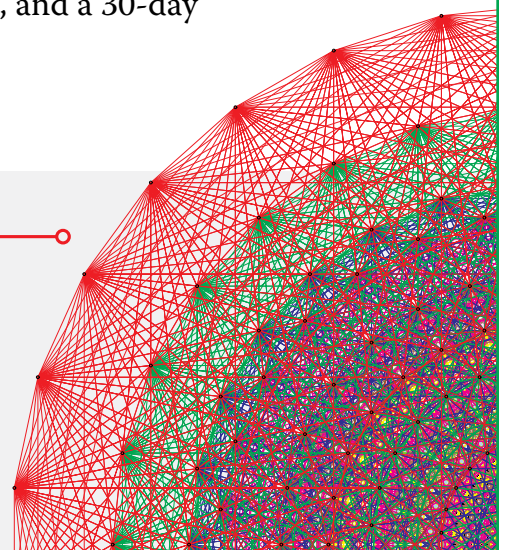
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About the cover image

The E_8 root system consists of 240 vectors in an eight-dimensional space. Those vectors are the vertices (corners) of an eight-dimensional object called the *Gosset polytope* 4_{21} .

In the 1960s, Peter McMullen drew (by hand) a 2-dimensional representation of the Gosset polytope 4_{21} . The image used in this brochure was computer-generated by John Stembridge, based on McMullen's drawing. To learn more about this image, go to <http://www.math.lsa.umich.edu/~jrs/coxplane.html>.



MathSciNet[®] QuickStart Guide

1 Find an article or book

MathSciNet uses a fielded search. You can use one field or any combination of up to four fields on the Publications tab search.

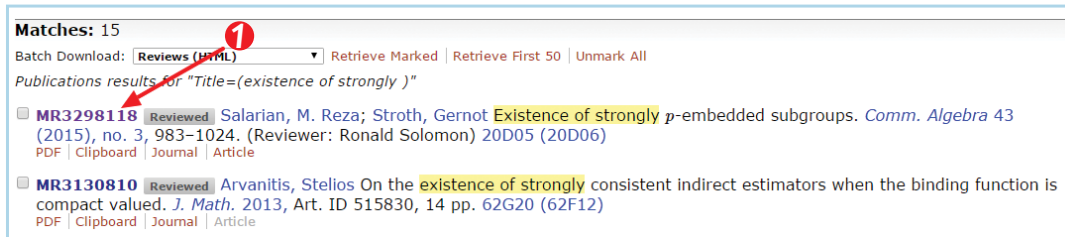
The pull-down menus give you access to additional fields and Boolean operators not seen here.

From the results list **1**, click on the MR Number (which appears at the beginning of each result) to see detailed information about the publication, including a review (in most cases), citation information, and a direct link to the original article.



The screenshot shows the MathSciNet search interface. At the top, there are four tabs: "Publications" (selected), "Authors", "Journals", and "Citations". Below the tabs is a "Search Terms" section with four rows of search fields. Each row has a dropdown menu for the field name, an empty text input box, and an "and" dropdown menu. The field names are "Author", "Title", "MSC Primary", and "Anywhere".

Quick tip: Reviews are one of MathSciNet's most useful features. Written by invited, expert mathematicians, they describe and evaluate an article or book and put it into the context of other published research.



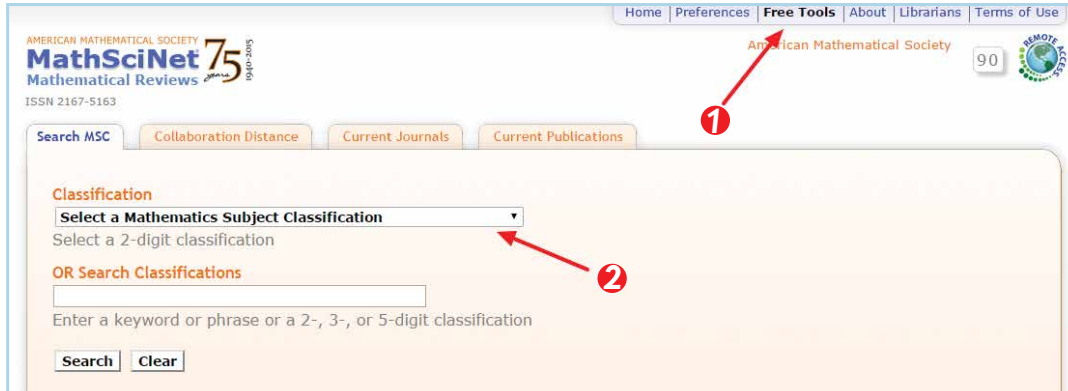
The screenshot shows the search results page. At the top, it says "Matches: 15". Below that, there is a "Batch Download:" section with a dropdown menu set to "Reviews (HTML)" and buttons for "Retrieve Marked", "Retrieve First 50", and "Unmark All". The search query is "Publications results for 'Title=(existence of strongly)'" and a red arrow points to the first result. The results are listed as follows:


- MR3298118** Reviewed Salarian, M. Reza; Stroth, Gernot Existence of strongly p -embedded subgroups. *Comm. Algebra* 43 (2015), no. 3, 983–1024. (Reviewer: Ronald Solomon) 20D05 (20D06)
[PDF](#) | [Clipboard](#) | [Journal](#) | [Article](#)
- MR3130810** Reviewed Arvanitis, Stelios On the existence of strongly consistent indirect estimators when the binding function is compact valued. *J. Math.* 2013, Art. ID 515830, 14 pp. 62G20 (62F12)
[PDF](#) | [Clipboard](#) | [Journal](#) | [Article](#)

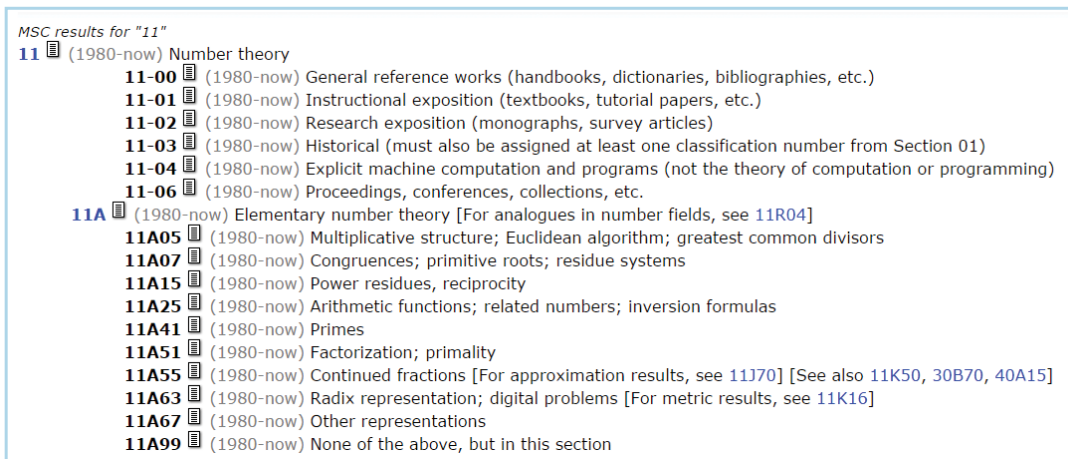


2 Research a subject area

Want to get a quick overview of publications in a topic? 1 Start by clicking on “Free Tools” in the top-right menu. Go to the Search MSC tab, and 2 find the MSC (Mathematics Subject Classification) closest to your topic.



The search result page will show you a list of top-level MSCs, and underneath, secondary-level MSCs, which are like subtopics. Click on the list logo  next to the number to see a list of publications in that area.




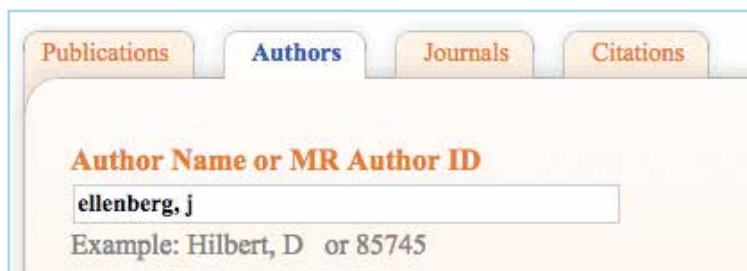
Once you’ve found an MSC, you can go one step further and narrow your search by returning to the Publications tab page and using the MSC in a search field in combination with author, journal name, or other criteria.




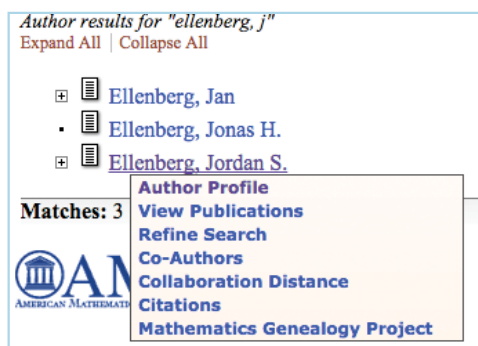
3 Look up an author

Head to the Authors tab to do a search for a specific author. The syntax is LastName, FirstName. In this tab, the "*" wildcard is not necessary. The example search below returns all authors with a last name of Ellenberg and a first name that begins with J.

On the search results screen, mouse over an author's name for direct links to his/her full profile, publications, and citations. Hover over the page icon  to see a sample publication.



On the search results screen, mouse over an author's name for direct links to his/her full profile, publications, and citations. Hover over the page icon  to see a sample publication.



Want to learn more?

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