

# Enlighten: A Suite of Metrics and Altmetrics

EPrints Interest Group, June 2014  
Open Repositories 2014, Helsinki, Finland

William J Nixon

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# Brewster's Millionth for Enlighten

Enlighten, the University's publications database and open access repository, has recorded its one millionth download of Glasgow research.

The one millionth download was a 2004 conference paper by Professor Stephen Brewster entitled "Tactons: structured tactile messages for non-visual information display" [eprints.gla.ac.uk/3443/](http://eprints.gla.ac.uk/3443/). There have been over 12,300 downloads of Professor Brewster's papers in Enlighten since January 2009.

Susan Ashworth, Deputy Director of Library Services, was delighted to present Professor Brewster with a bottle of champagne and said: "Downloads and access to Enlighten continue to go from strength, demonstrating the importance of making the University's research freely available".

A download statistics dashboard [eprints.gla.ac.uk/cgi/stats/report](http://eprints.gla.ac.uk/cgi/stats/report) has been added to Enlighten which enables staff to see the overall downloads as well as their own download totals or those of their school or College. A similar dashboard has been added to the Glasgow Theses service [theses.gla.ac.uk/cgi/stats/report](http://theses.gla.ac.uk/cgi/stats/report) and there are now over 60,000 theses downloads per



*Susan Ashworth hands over the bubbly*



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RSS 2.0

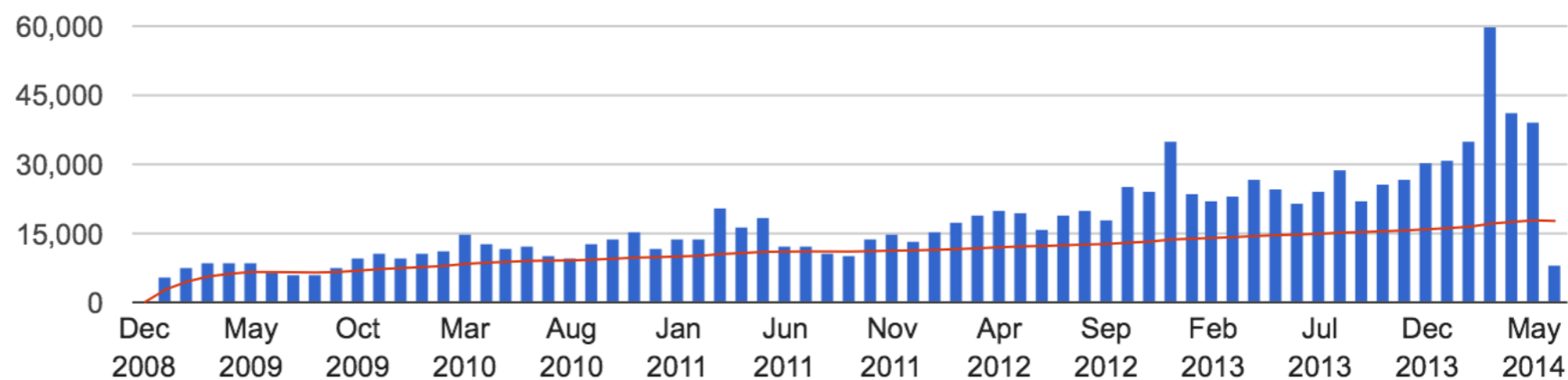
Twitter

**Statistics Overview****All items**

Filter Items

Dates

Available Reports

**Downloads****Activity Overview****69,835** Items**1,186,665** Downloads**11%** Full text**10%** Open access**Most downloaded items**

1.	Reconstructing vectorised photographic images	14,661
2.	Management of needlestick injuries in general dental practice	12,920
3.	PID control system analysis, design, and technology	12,118
4.	Auditor independence and audit risk: a reconceptualisation	11,646

**Top Authors**

1.	Prof Vivien Beattie	93,513
2.	Prof Timothy Miller	36,643
3.	Prof Yun Li	28,375
4.	Prof Jeremy Bagg	22,094
5.	Prof Asen Asenov	19,678

10 25 50 all



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## Statistics

- [Top 50 papers](#)
- [Top 50 authors](#)
- [Statistics overview](#)

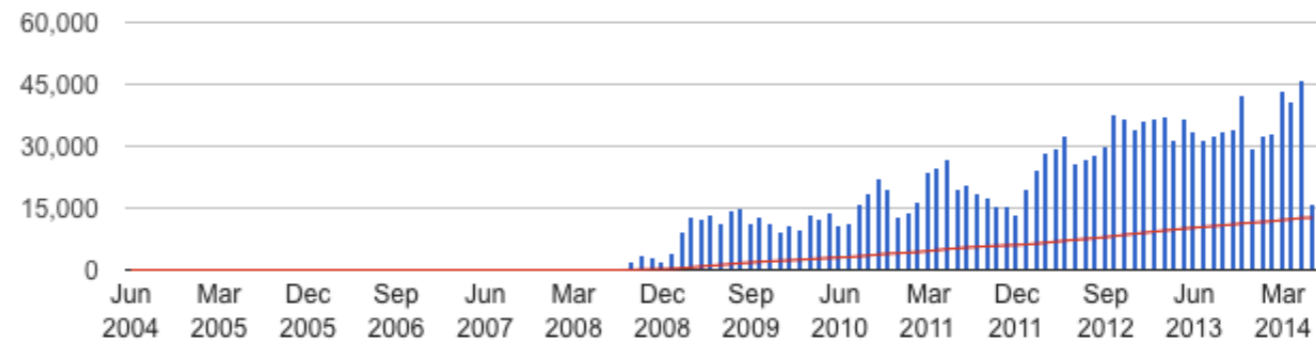
## Statistics

All items

Jun 11, 2004 - Jun 11, 2014

Filter Items    Dates    Available Reports

### Downloads



### Activity Overview



**12,497** Items



**1,531,198** Downloads



**28%** Full text



**24%** Open access

### Most cited items

- The tetratricopeptide repeat: A structural motif mediating protein-protein interactions **637**
- Flavonoids in Food and Their Health Benefits **346**
- Moderate exercise during growth in prepubertal boys: changes in bone mass, size

### Most downloaded items

- Special events and tourism behaviour: a conceptualisation and an empirical analysis from a values perspective **15,418**
- Chinese And Australian Students' Cultural Perceptions: A Comparative Study **13,888**
- The Influence of Price

This is IRStats2 development repository. Note that the software is still at the beta stage, but it should be good enough for testing on your repository.

49 commits 1 branch 0 releases 3 contributors

branch: master irstats2 / +

Fixes #49, thanks to #tjmb

sebastfr authored on May 30 latest commit fd700e101b

bin	Fixes #2 (sort of)	a year ago
cfg	Fixes #49, thanks to #tjmb	13 days ago
cgi	Use phrases	5 months ago
epm	v0.0.5 added to epm/	8 months ago
meprints	Added basic MePrints widgets for IRStats2	2 months ago
INSTALL	Update INSTALL	a year ago
README.md	Update README.md	8 months ago

<> Code

Issues 22

Pull Requests 0

Pulse

Graphs

Network

HTTPS clone URL

https://github.com/ej

You can clone with HTTPS or Subversion.

Clone in Desktop

Download ZIP

README.md

# irstats2



# IRUS-UK

STATISTI  
USAGE  
REPOSI  
INSTITU

## WELCOME TO IRUS-UK

Following on from the successful PIRUS2 project, which demonstrated how COUNTER-compliant article-level usage statistics could be collected and consolidated from Publishers and Institutional Repositories (IRs), Jisc have provided funding to establish 'IRUS-UK', a national aggregation service, containing details of all content downloaded from UK participating IRs.

IRUS-UK is a Jisc-funded repository and infrastructure service.

## BENEFITS

The service will consolidate COUNTER-compliant statistics providing opportunities to demonstrate the value and impact of IRs. It will:

- facilitate comparable, standards-based measurements
- provide an evidence base for repositories to develop policies and initiatives to help support their objectives
- provide consistent and comprehensive statistics, presenting opportunities for benchmarking at a national level

## PARTICIPANT QUOTE

[Potential benefits include] providing a more realistic / useful

### Tweets

Follow

 **nataliafay** @nataliafay 10 Jun


#or2014 I'm a big fan of IRUS-UK for benchmarking and also because I am competitive.

Retweeted by IRUSNEWS

Expand

 **IRUSNEWS** @IRUSNEWS 10 Jun

IRUS-UK currently being presented on at Open Repositories 2014 by @grossmac - follow #OR2014 for updates

 **William J Nixon** @williamjnixon 10 Jun

Ross MacIntyre answering the q do people use content in our repositories? Yes, IRUS-UK tracks downloads [irus.mimas.ac.uk](http://irus.mimas.ac.uk) #OR2014 @Jisc

Retweeted by IRUSNEWS

# IRUS-UK

STDS REINS

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Repository Report 1 (RR1)  
Repository Report 2 (RR2)  
Repository Report 3 (RR3)  
Consolidated Article Report 1  
(CAR1)

## HOME

### OVERALL SUMMARY AS AT 12TH JUN 2014

This table provides an "at a glance" summary of data in IRUS-UK including: number of participating repositories, number of items downloaded from these repositories since they joined, and numbers of downloads (in total, to the end of the previous month, and during the current month). It also shows the latest date for which data is available in IRUS-UK.



[Download this table as a PDF](#)

#### Headlines at a glance

Repositories	61
Items	216,136
Downloads up to May-2014	16,607,648
Downloads this month	455,244
Total Downloads	17,062,892



## MAIN MENU

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## REPORTS

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- ETD Report 1 (ETD1)
- Repository Report 1 (RR1)
- Repository Report 2 (RR2)
- Repository Report 3 (RR3)
- Consolidated Article Report 1 (CAR1)

## ITEMTYPES REPORT

This table provides a breakdown of the item types used by participating repositories that have been mapped to each of the IRUS-UK item types used in the Item Type Statistics table.

 [Download this table as a PDF](#)

## COMPARISON OF IRUS-UK ITEM TYPES AND REPOSITORY ITEM TYPES

IRUS-UK item type	Repository item type	No. of items
Art/Design Item	Art Object; NonPeerReviewed	15
Art/Design Item	Art Object; PeerReviewed	1
Art/Design Item	Artist's Book; NonPeerReviewed	1
Art/Design Item	Artwork	25
Art/Design Item	Artwork/Design Object; NonPeerReviewed	46
Art/Design Item	Artwork; Image	1
Art/Design Item	Design; NonPeerReviewed	19
Art/Design Item	painting	1
Article	Article	6,287
Article	Article (Literature review, Editorial)	19
Article	Article; Accepted Version	1
Article	Article; Audio file; Postprint	1
Article	Article; Case study	1
Article	Article; Journal article	1
Article	Article; NonPeerReviewed	7,738



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Repository Report 1 (RR1)  
Repository Report 2 (RR2)  
Repository Report 3 (RR3)  
Consolidated Article Report 1 (CAR1)

# ITEM REPORT 1 (IR1),NUMBER OF SUCCESSFUL ITEM DOWNLOAD REQUESTS BY MONTH AND REPOSITORY IDENTIFIER

Item Report 1 (IR1),Number of Successful Item Download Requests by Month and Repository Identifier

LSE Research Online

Date Run

12/06/2014

Sort report by:

ID	Title	Author(s)	Itemtype	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014
Totals				84,321	84,232	103,838	96,998	97,541
<a href="http://eprints.lse.ac.uk/29022/">http://eprints.lse.ac.uk/29022/</a>	Managing non-profit organisations: towards a new approach	Anheier, Helmut K.	Book	975	1,022	1,274	1,330	1,094
<a href="http://eprints.lse.ac.uk/9576/">http://eprints.lse.ac.uk/9576/</a>	Policing ethnic minority communities	Bowling, Ben; Phillips, Coretta	Book Section	807	818	1,091	1,168	1,056
<a href="http://eprints.lse.ac.uk/5553/">http://eprints.lse.ac.uk/5553/</a>	Thatcherism, new Labour and the welfare state	Hills, John	Book	734	595	1,039	862	762
<a href="http://eprints.lse.ac.uk/52630/">http://eprints.lse.ac.uk/52630/</a>	Zero to eight: young children and their internet use	Holloway, Donell; Green, Lelia ; Livingstone, Sonia	Book	857	707	743	660	604

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[Free registration](#) allows you to [upload your own items](#) and save searches (which can become email-alerts).

### PIRUS/IRUS-UK PUSH Implementation

Brody, Tim and Bradley, Justin and Francois, Sebastien (2014) *PIRUS/IRUS-UK PUSH Implementation*.

*This is the latest version of this eprint.*



[Archive \(TGZ\)](#)  
5Kb

Official URL: <http://www.cranfieldlibrary.cranfield.ac.uk/pirus2/tiki-index.php>

**Item Type:** Script

**EPrints Version:** EPrints 3 > EPrints 3.2  
EPrints 3 > EPrints 3.3

**Official URL:** <http://www.cranfieldlibrary.cranfield.ac.uk/pirus2/tiki-index.php>

**License:** Other

**EPrints Version:** EPrints 3 > EPrints 3.2  
EPrints 3 > EPrints 3.3

**Date:** 27 May 2014

**Creators Name:** Brody, Tim and Bradley, Justin and Francois, Sebastien

**Department:** School of Electronics and Computer Science

**Institution:** University of Southampton

**Date Deposited:** 27 May 2014 13:02

**Last Modified:** 27 May 2014 13:02

**Wiki Page:** [Files/PIRUS/IRUS-UK PUSH Implementation](#)

**Date Deposited:** 27 May 2014 13:02

#### Abstract

The aim of the PIRUS2 Project is to enable publishers, repositories and other organizations to generate and share authoritative, trustworthy usage statistics for the individual articles and other items that they host. v1.05 conforms to 2014 Guidelines.

#### Requirements

Requires 3.2.3 for TRIGGER and COUNTER robots list.

## Why altmetrics and Enlighten?

- Opportunities to add value and engage with (and empower) academic colleagues
- Complimentary to traditional metrics (citations)
- Discovering new outlets for content
- Exploring new measures of impact or “just empty buzz” [altmetrics manifesto]
- Chance to working with services like Altmetric.com
- Ease of integration with repositories (like EPrints)
- Getting in on the ground floor

## Glasgow's Altmetric Timeline

- Sep 12 - Elsevier/Scopus tweet about Altmetric integration
- Jan 13 - Euan's Altmetrics/repository blog post
- May 13 - Altmetrics demo to University staff
- July 13 - Discussions with EPrints - City example
- Late July – EPrints demo “With and without Altmetrics”
- Aug 13 – Added API key, soft launched for all DOIs
- Ongoing advocacy and demos of Altmetrics in Enlighten

## Altmetrics in libraries and institutional repositories



Euan Adie

January 22, 2013 12 Comments

We get asked a lot about the use of Altmetric data by academic libraries and institutional repositories so I figured it was worth outlining the services we offer and extending an invite to have a chat to anybody else who is curious – we're always happy to hear your thoughts on altmetrics in general and to give talks or demos. You can reach me directly at [euan@altmetric.com](mailto:euan@altmetric.com).

*(for an overview of the potential uses of alt-metrics by libraries that includes reviews of other tools check out Stacey Konkiel's awesome [Altmetrics: An App Review](#) slides or view the video of her talk [here](#))*

### Explorer access – free for individual librarians, paid site licenses for researchers



If you're a librarian at an academic institution we'd love for you to sign up for a free librarian account for the [Altmetric Explorer](#), our analysis and discovery tool. Poke around, check out the data, set up some reports, use it to help patrons... and keep it for as long as you like.

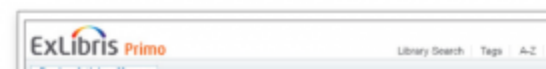
Just [drop us a line at support@altmetric.com](mailto:support@altmetric.com) using your institutional email address and we'll get you set up with a login and a quick demo, if desired.

If you think access would be useful to your researchers or students too ping us about sorting out a paid site license which'll enable us to keep developing the service.

(note that if you're not a librarian you can still use our [free bookmarklet](#))

### Integration with Ex Libris' Primo

Last month Ex Libris [added a free Altmetric tab plugin](#) to EL Commons. Anybody can download and install it at which point their users will be able



### About this blog

Welcome to the official blog of [Altmetric](#). We're a London-based company that is focused on making article level metrics easy for authors, readers, librarians, funders, publishers, and anyone who engages with scholarly research.

This blog is our platform for exploring and conducting alt-metrics research, revealing interesting stories that lie behind scholarly articles, and unveiling new Altmetric features.

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Track, monitor and report on the broader impact of your research output

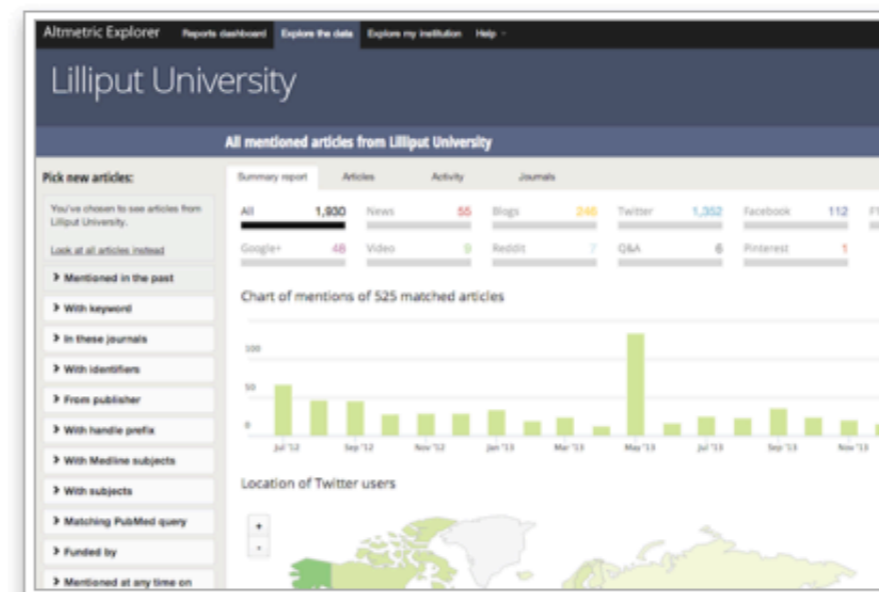
What success stories can you uncover?

Altmetric for Institutions offers an intuitive web-based application for monitoring and reporting on the reach and impact of your research, above and beyond traditional citation metrics. [Read more...](#)

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Fill in your details below to request access to the trial version of the platform, where you'll be able to:

- Browse and filter searches for all of the papers we've tracked
- Explore sample institutional specific data in the departmental and subject tabs
- Create and save custom reports



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# Enlighten

Research publications by members of the University of Glasgow

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## A new twist on the Doppler shift

Padgett, Miles (2014) *A new twist on the Doppler shift*. *Physics Today*, 67 (2). pp. 58-59. ISSN 0031-9228 (doi:10.1063/PT.3.2286)

Full text not currently available from Enlighten.

Publisher's URL: <http://dx.doi.org/10.1063/PT.3.2286>

### Abstract

Light with orbital angular momentum will undergo a frequency shift when it bounces off a rotating object.

<b>Item Type:</b>	Article
<b>Status:</b>	Published
<b>Refereed:</b>	Yes
<b>Glasgow Author(s) Enlighten ID:</b>	Padgett, Prof Miles
<b>Authors:</b>	Padgett, Miles
<b>College/School:</b>	College of Science and Engineering > School of Physics and Astronomy
<b>Journal Name:</b>	Physics Today
<b>Publisher:</b>	American Institute of Physics
<b>ISSN:</b>	0031-9228
<b>ISSN (Online):</b>	1945-0699

University Staff: Request a correction | Enlighten Editors: Update this record

### Altmetric



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- 3 readers on Mendeley
- 0 readers on Connotea
- 0 readers on CiteULike

[View details on Altmetric's website](#)



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### Tools

# The Altmetric API

Deliver article level metrics to your authors and users.

Altmetric does all the heavy lifting involved in extracting, disambiguating and collating mentions of scholarly works online, allowing you focus on your core product.

[Get in touch](#)

The Altmetric API gives you programmatic access the article level metrics data associated with articles and datasets collected by Altmetric.

## Deliver a wealth of data with the Altmetric API

With the Altmetric API, you can unlock the full potential of [article level metrics](#) for your journal platform or project.

### A wealth of data

Complement conventional article level metrics such as download counts and citations with social media conversations, news stories and policy documents.

### Reliable, enterprise-level performance

We handle millions of API calls every week, and use it ourselves in our [Explorer app](#) and [embeddable badges](#).

### Flexible data to suit your needs

With complete access to all of the conversations that Altmetric collects, you can have the freedom to showcase the metrics that matter most to your users.



## Using the Altmetric API

With a [commercial license](#) for the API, you'll be able to view detailed altmetrics about articles, download Altmetric data in bulk, perform complex queries and remove all [rate limits](#).



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**Direct measurement of a 27-dimensional orbital-angular-momentum state vector**

Malik, M., Mirhosseini, M., Lavery, M.P.J., Leach, J., Padgett, M.J., and Boyd, R.W. (2014) *Direct measurement of a 27-dimensional orbital-angular-momentum state vector*. Nature Communications, 5 . p. 3115. ISSN 2041-1723 (doi:10.1038/ncomms4115)

Full text not currently available from Enlighten.

Publisher's URL: <http://dx.doi.org/10.1038/ncomms4115>

**Abstract**

The measurement of a quantum state poses a unique challenge for experimentalists. Recently, the technique of 'direct measurement' was proposed for characterizing a quantum state in situ through sequential weak and strong measurements. While this method has been used for measuring polarization states, its real potential lies in the measurement of states with a large dimensionality. Here we show the practical direct measurement of a highdimensional state vector in the discrete basis of orbital angular momentum. Through weak measurements of orbital angular momentum and strong measurements of angular position, we measure the complex probability amplitudes of a pure state with a dimensionality,  $d \geq 27$ . Further, we use our method to directly observe the relationship between rotations of a state vector and the relative phase between its orbital-angular-momentum components. Our technique has important applications in high-dimensional classical and quantum information systems and can be extended to characterize other types of large quantum states.

<b>Item Type:</b>	Article
<b>Status:</b>	Published
<b>Refereed:</b>	Yes
<b>Glasgow Author(s):</b>	Lavery, Mr Martin and Boyd, Prof Robert and Padgett, Prof Miles and Leach, Mr Jonathan
<b>Authors:</b>	Malik, M., Mirhosseini, M., Lavery, M.P.J., Leach, J., Padgett, M.J., and Boyd, R.W.
<b>College/School:</b>	College of Science and Engineering > School of Physics and Astronomy
<b>Journal Name:</b>	Nature Communications
<b>Publisher:</b>	Nature Publishing Group
<b>ISSN:</b>	2041-1723

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 On **1** Facebook pages  
  
**17** readers on Mendeley  
**0** readers on Connotea  
**0** readers on CiteULike

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**Funder and Project Information**

Project Code	Award No	Project Name	Principal Investigator	Funder's Name	Funder Ref	Lead Dept
54987	1	Challenges in Orbital Angular Momentum	Miles Padgett	Engineering & Physical Sciences Research Council (EPSRC)	EP/I012451/1	P&A - PHYSICS & ASTRONOMY



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# Direct measurement of a 27-dimensional orbital-angular-momentum state vector

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So far Altmetric has seen **15** stories from **12** outlets.



## Peeking into Schrodinger's box: Direct measurement shows potential for quantum information

Phys.org

Until recently measuring a 27-dimensional quantum state would have been a time-consuming, multistage process using a technique c ..

2014-01-20T10:00:01+00:00



## Peeking into Schrodinger's box

EurekAlert!

( University of Rochester ) Until recently measuring a 27-dimensional quantum state would have been a time-consuming, multistage ..

2014-01-20T05:00:00+00:00



## Peeking into Schrodinger's box

R&D

Until recently, measuring a 27-dimensional quantum state would have been a time-consuming, multistage process using a technique ..

2014-01-20T14:45:23+00:00

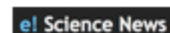


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Science Newline

Until recently measuring a 27-dimensional quantum state would have been a time-consuming, multistage process using a technique c ..

2014-01-20T14:33:00+00:00



## Peeking into Schrodinger's box

e! Science News

Until recently measuring a 27-dimensional quantum state would have been a time-consuming, multistage process using a technique c ..

2014-01-20T16:05:09+00:00



## Peeking into Schrödinger's Box

Science Daily

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**Fractality of light's darkness**

O'Holleran, K, Dennis, MR, Flossmann, F, and Padgett, MJ (2008) *Fractality of light's darkness*. Physical Review Letters, 100 (5). 053902. ISSN 0031-9007 (doi:10.1103/PhysRevLett.100.053902)

Full text not currently available from Enlighten.

**Abstract**

Natural light fields are threaded by lines of darkness. For monochromatic light, the phenomenon is familiar in laser speckle, i.e., the black points that appear in the scattered light. These black points are optical vortices that extend as lines throughout the volume of the field. We establish by numerical simulations, supported by experiments, that these vortex lines have the fractal properties of a Brownian random walk. Approximately 73% of the lines percolate through the optical beam, the remainder forming closed loops. Our statistical results are similar to those of vortices in random discrete lattice models of cosmic strings, implying that the statistics of singularities in random optical fields exhibit universal behavior.


<b>Item Type:</b>	Article
<b>Status:</b>	Published
<b>Refereed:</b>	Yes
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