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Agrar- Forstwissenschaften		Home → Fachgebiete → Physik Astronomie → Nachricht					Erfahren S
Architektur Bauwesen		UGR scientists design a new technique to differentiate					
Automotive		between original and bootleg CDs by using light IT-SoftwareService.					
Biowissenschaften Chemie		diffraction Mehr Info					
Energie und Elektrotechnik		08.12.2008		nächste Meldung	Anzeige		
Geowissenschaften		The system, developed in	n the Department of Optics	s, is also valid for DVDs	AllZeige		
Gesellschaftswissenschaften		Anzaiza			B2B Suche	B2B Suche	
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— Տոցր	Roland Berger Strategy Consultants	The research work has been recently published in the renowned international scientific journal "American Journal of Physics", and the respective patent has already been requested					
0000	SCHOTT glass made of ideas						
Auði	glass made of ideas	Ads by Google VV		the University of Granada			
DAIMLER	Heraeus			mpact Disc (CD) is original			
	PEUGEOT		or a copy. This new tech and effective, and allow	hnique is economical, fast vs to detect illegal CD			

**Optics Switches** 24x24 to 190x190 optical switches Free online demo on how it works

...mehr zu:

copy > UGR

Glimmerglass.com/Optica

losses > light diffraction

> new optical technique

bootleg CDs > original or a

> Optic > original and

and effective, and allows to detect illegal CD copies.

Optical CDs are at present the most extended physical means of distribution of digital information around the world. However, bootlegging in this sector is a serious problem which involves important economic losses and



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## which has not been solved up to now.

Original CDs are made by printing, through a > DVD > important economic process which is profitable for large print runs. However, copies are obtained by performing a series of marks on the surface through the "burning" with laser of commercial recorders on an organic material with which a series of spiral grooves are made in a blank CD.



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Through the new technique proposed by the scientists of the Department of Optics of the UGR it is possible to identify if a CD has been recorded using a method or a device different to those used in industrial processes, which allows to differentiate between original CDs and copies. This technique uses the phenomenon of light diffraction on a CD surface to appreciate the differences between original and bootleg CDs, as they generate different types of diffraction models.

DVDs too

http://www.innovations-report.de/html/berichte/physik astronomie/ugr scientists design a technique differentiate 123876.html

