



The Knowledge Network

Inspec 数据库培训



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www.theiet.org/publishing

- 引入
- Inspec 简介
- Inspec 检索指导
- Inspec on WOK





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信息获取 – 文献检索数据库的基本使命



全文数据库

- 直接, 得到全文
- 分散, 查阅不便
- 数量, 急剧增长



文摘数据库

对全文数据库进行精选、提炼、浓缩和加工，标引出文献的主题，编制成具有多种检索途径的检索工具。



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Inspec能为您做什么？



高效的检索

- 共有多达28个字段可供检索，除了各种客观检索字段外，还提供由相关领域专家择选的可以极大提高检索效率的检索字段：

控制词

分类代码

非控制词

处理编码

化学索引

数值索引

.....



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创新平台 - 文献检索数据库的更强功能



ublishing



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Inspection WOK能为您做什么？



分析

- 分析研究发展趋势
- 发现科学技术热点
- 揭示论文间的潜在联系
- 提供引文报告



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Inspection WOK能为您做什么？



管理与写作

- 个性化帐户有效管理检索策略与结果
- 建立个人资料档案夹
- 创建电子邮件提醒 / RSS推送服务
- 管理参考文献
- 使用Endnote Web提高写作效率

目录

- 引入
- **Inspec 简介**
- Inspec 检索指导
- Inspec on WOK





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Inspec 简介

- 背景概述
- Inspec检索来源
- Inspec检索专业



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什么是IDL & Inspec?



Inspec

Inspec是理工学科最重要、使用最为频繁的数据库之一，也是全球在理工科领域最权威的二次文献数据库之一。前身“科学文摘”**SA**始于1898年，由**IET**（前**IEE**）出版。专业面覆盖物理、电子与电气工程、计算机与控制工程、信息技术、生产和制造工程等领域，并覆盖材料科学，海洋学，核工程，天文地理、生物医学工程、生物物理学等领域的内容。

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Inspec 背景概述 – 源自 IET



英国工程技术学会 (IET)

The Institution of Engineering & Technology

- 由英国电机工程师学会(IEE)和英国企业工程师学会(IIE)于2006年合并成立，具有百年历史。
- 拥有全球超过15万会员。
- 欧洲规模最大、全球第二的专业工程学会*
- 注册为非赢利机构(ORG)

*学会所涉及的领域内

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Inspec 背景概述 – 源自 IET

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IET 提供:

- 知识共享网络
 - 会员
 - 学术会议 / 研讨会
 - 专业网络: <http://www2.theiet.org/OnComms/PN/index.cfm>
 - IET 电视频道: <http://www.theiet.tv/>
- 专业资格认证
- 出版及信息服务
 - 安全与标准条例
 - 出版物 – 书、期刊...
 - 一次出版物 – IDL
 - 二次出版物 – Inspec

Electronics Letters

AN INTERNATIONAL PUBLICATION

CONTENTS		20th July 1978 Vol. 14 No. 15
pages 455-494		
CIRCUIT DESIGN	494	Optimized shaping profiles for speed-up of GaAs
Active simulation of inductors using current sources	493	M. A. T. S. & R. K. R. (Japan)
R. J. Soren (Ireland)		Carrier profiling of GaAs
		G. L. Lee and D. A. Collins (USA)
COMMUNICATIONS & SIGNAL PROCESSING		Absolute noise characterization of avalanche diodes
Class of optimal recursive Wiener filters	484	White light emission from GaAs on Si structures
Bandwidth efficient constant-envelope digital spreading with phase-locked modulation	487	G. S. K. (Ireland)
T. Austin, N. R. M. and C. E. Sandberg (Zimbabwe)		Logic functions using interacting two-state m.o.s.
Time-averaged spectra	456	M. M. Dawah and K. Boud (UK)
M. A. King and W. Luning (UK)		Envelope probability density function of the sum of signal, noise and interference
I. M. Smith (Singapore)		490
COMPUTERS & LOGIC		MICROWAVE ACUSTICS
Implementation of neural networks with using m.o.s. integrated circuits	482	Signal processing in the reflective acoustic microphone
M. T. H. (Ireland)		J. Attal and G. Cambon (France)
High density digital magnetic recording using the (2,1) interleaving binary block code	455	MICROWAVE TECHNIQUES & RADAR
Marion Davidson and James L. Macomber (USA)		Measurement of the extinction cross section of dielectric spheres using an open resonator
Complex representations using rectangular transforms	450	D. L. Brant and J. A. Acquafredda (UK)
N. Kumar Ruddy and V. Umashankar Ruddy (India)		Intermodulation distortion improvement by active compensation in a band-pass amplifier
Fast algorithm for computing approximate 2^{11} path loss of unity in (DPSK-TM) 2^{11} filter	493	C. S. Johnson and A. S. Bawa (UK)
T. S. R. T. K. Tsing and B. L. Miller (USA)		Methods for the direct measurement of μ_r , ϵ_r and σ parameters at microwave frequencies
		L. S. (Ireland)
ELECTROMAGNETIC WAVES		OPTICS
Three-dimensional finite-difference method for solving electromagnetic problems	467	Losses in single mode fibres
M. J. R. (UK)		D. A. Gunning, H. Matsumoto and C. M. Rogalski (UK)
Excitation modes in ferrite-filled circular waveguides	476	Leaky modes and loss in multimode step-index waveguides
J. M. Mathews (USA) and L. E. Davis (UK)		G. S. (Ireland), C. D. (Ireland), B. (Ireland) and E. B. (Ireland)
Resonance in a circular waveguide cavity loaded with magnetized ferrite disk	479	Exact field expressions for guided modes of a graded-index fibre
J. M. Mathews (USA) and L. E. Davis (UK)		G. S. (Ireland)
MATERIALS & SEMICONDUCTOR DEVICES		Time dispersion measurement in optical fibre by near- and far-field scanning technique
Low inductance of noise in silicon for planar antiferromagnetic isolation	480	D. Cavonius (Ireland)
J. A. T. (UK)		SYSTEMS & CONTROL ENGINEERING
		Matrix Caser form for linear system reduction
		G. P. (Ireland) and S. (Ireland)

THE INSTITUTION OF ELECTRICAL ENGINEERS

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Inspec检索来源



检索数量

- 950万条文献(1969 – Present)
- 覆盖超过80个国家的出版物
- 覆盖超过140个国家的作者
- 4000期刊和2000会议论文集
- 每年增加逾50万条文献,即每星期增加10,000条文献

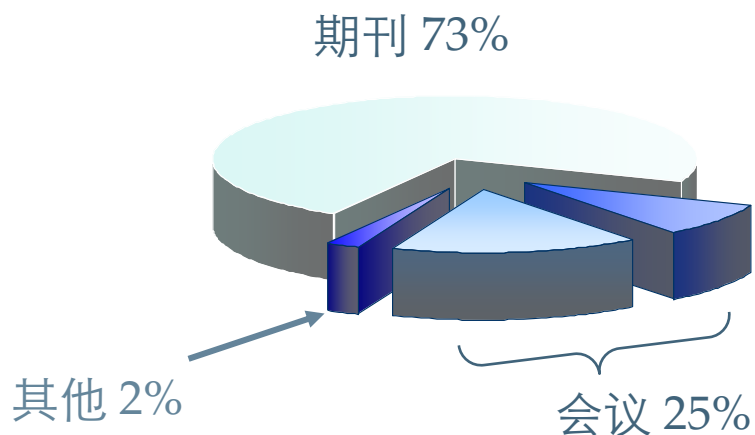
Inspec检索来源



检索类型

- 期刊 73%
- 会议论文（集） 17%
- 发表在期刊的会议论文 8%
- 其它* 2%

} 25%



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*包括书及其章节、报告及其章节、毕业论文



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Inspec检索专业



五大学科的科学/技术方面的文献，全球各国查新和专利申请/审批的必检数据库

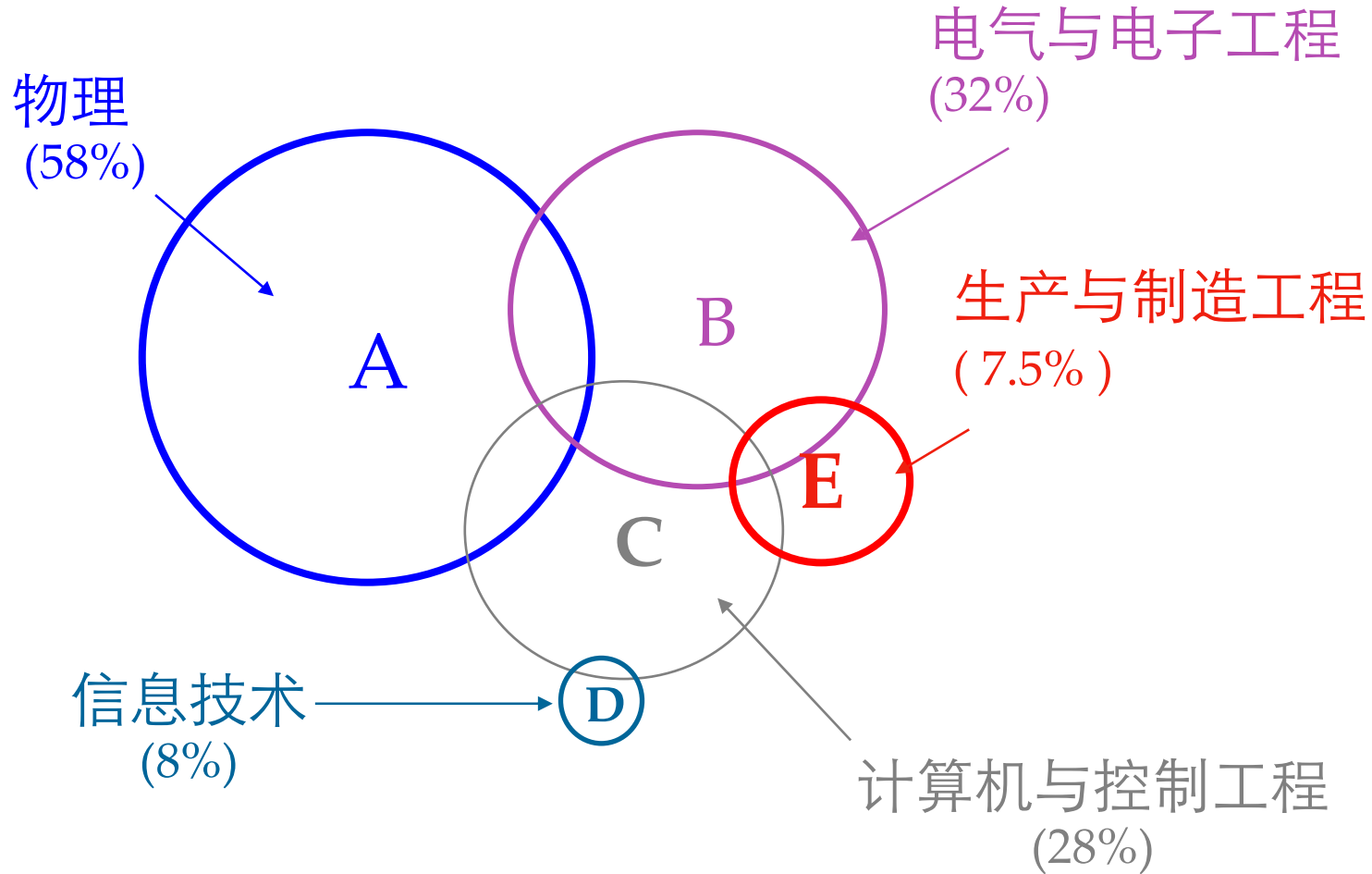
- 物理 (Physics)
- 电气与电子工程 (Electrical & Electronic Engineering)
- 计算机与控制工程(Computer &Control Engineering)
- 信息技术 (Information Technology).
- 生产与制造工程 (Production & Manufacturing Engineering)

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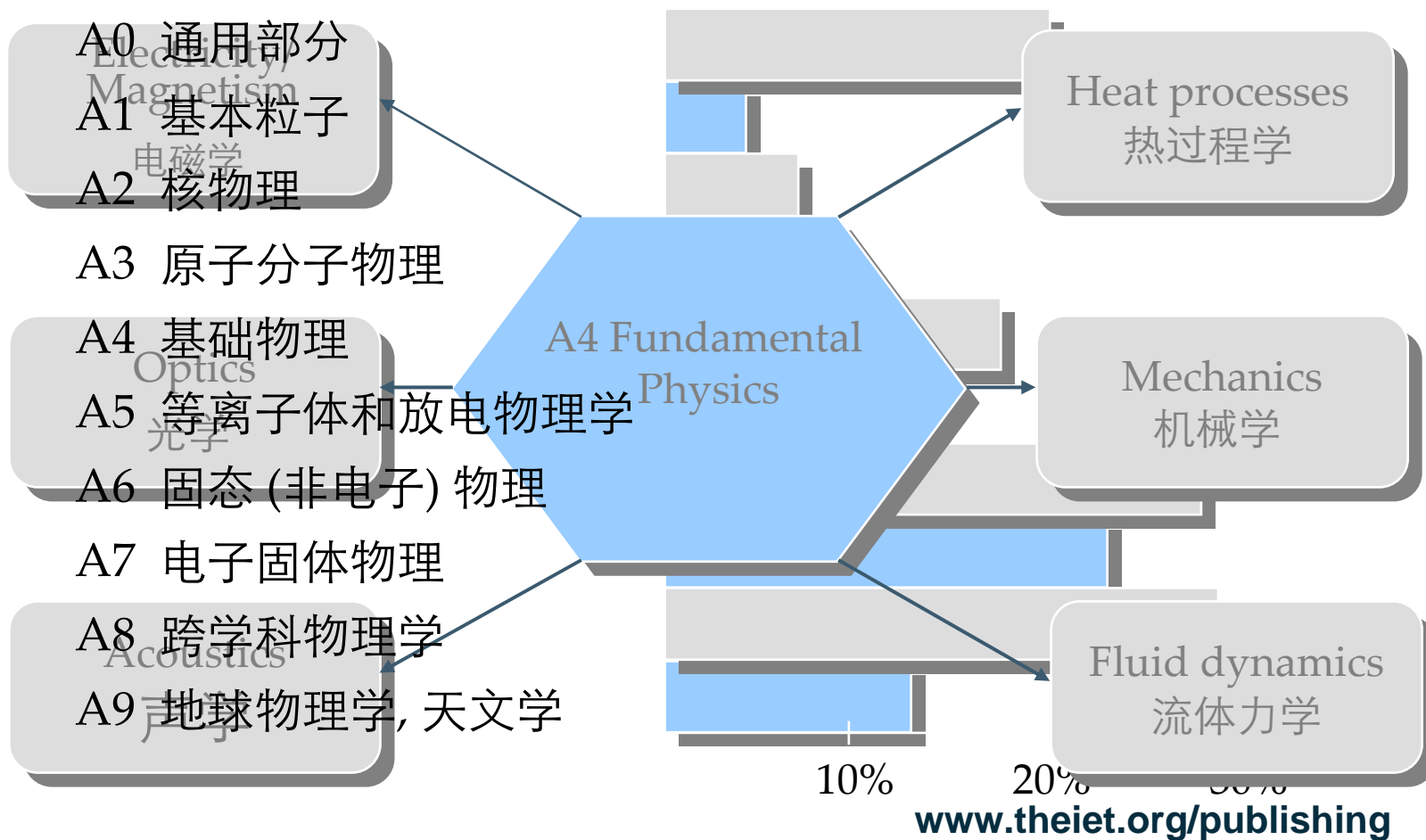
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Inspec检索专业



Inspec检索 - A 物理

基础物理级学科:





Inspec检索 - 交叉学科

The K

laser printers

Long-haul lasers [buyer's guide]

computer games

A principal cognitive precondition of successful child-computer interactions in the information society

traffic control

Traffic signal control by Egograms

photography

Color handling in panoramic photography

radar

Fully integrated automotive radar sensor with versatile resolution

pacemakers

Paradoxical undersensing at a high sensitivity in dual chamber pacemakers

radiation effects

Modeling natural space ionizing radiation effects on external materials

environmental science

Impact of science and technology on energy and environmental research and development

nanotechnology

Molecular motors: nature's nanomachines

manufacturing

Analysis of a decentralized production-inventory system

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- **Inspec 检索指导**
- Inspec on WOK
- IDL on Scitation





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Inspec 检索指导

- Inspec检索 主题字段
- Inspec检索 目录字段





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Inspec 检索 运算符

布尔符	意义
AND/OR/NOT	与/或/非
NEAR	同句/同主题/同地址（顺序或逆序）
ONNEAR	同句/同主题/同地址（顺序）
检索	结果
computer NEAR network	Network of computer 或 computer network
computer ONNEAR network	Computer network



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Inspec 检索 通配符

通配符	意义
*	0-n个字母/字符
?	1个字母/字符
检索	结果
Co*r	color / colour ...
Col?r	Color



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Inspec 主要检索字段

主题字段	目录字段
标题	作者
摘要	联系地址
非控制词	印刷年份
控制词	会议信息
分类代码	源刊
处理代码	文献类型
化学索引	语言
数值索引	出版商
天体目标索引	出版公司所属国家
	国际标准刊号



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Inspec 检索 - 主题字段 - 控制词



为什么使用控制词 - 控制拼写差异:

center = centre

disc = disk

program = Programme



为什么使用控制词 - 控制缩写歧义:

PC:

Personal Computers

Printed Circuits

Programmable Controllers



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Inspec 检索 - 主题字段 - 控制词



为什么使用控制词 - 控制专业词汇/同义词差异

Lift (US) = Elevator (UK)

Internet = www = world wide web

PC = desk-top computer = microcomputer



为什么使用控制词 - 控制标点符号表达差异

α = alpha

Infrared = infra = red = infra-red = IR

Online = on line = on-line



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Inspec 检索 - 主题字段 - 控制词



为什么使用控制词?

- 拼写标准化
e.g. Center (=centre)
- 标点符号标准化
e.g. online (=on line=on-line)
- 专业词汇标准化
e.g. Internet (=www=world wide web)



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Inspec 检索 - 主题字段 - 控制词

Accession Number: 9549811

Document type: Journal Paper

Title: A strategy for testing of Web based software

Author(s): [Mustafa, G.](#); [Abad Ali Shah](#); [Asif, K.H.](#); [Ali, A.](#)

Source: Information Technology Journal vol.6, no.1 : 74-81, Jan.-Feb. 2007

Language: English

Treatment: Practical

Abstract: The computing environment for Web applications is dynamic and complex as Internet is heterogeneous, distributed, multi-platform, multimedia, multilingual and cooperative wide area network. The Web software itself is also dynamic and rapidly evolving. This complex and dynamic computing environment, complex user requirements, new features and constraints make the testing of Web-based software a challenging task. Traditional testing techniques are not sufficient because they do not address the challenges associated with the Web-based applications. This study reviews the techniques for the testing of Web based applications and gives a strategy to use the testing techniques meeting the challenges of testing Web-based software.

Controlled Indexing: [Internet](#); [program testing](#); [software engineering](#)

Uncontrolled Indexing: software testing; Internet; Web software; software engineering

Classification Code(s):

[C6150G](#) Diagnostic, testing, debugging and evaluating systems

[C6150N](#) Distributed systems software

[C6110B](#) Software engineering techniques

Author Address: Mustafa, G.; Dept. of Comput. Sci. & Eng., UET, Lahore, Pakistan

Publisher: Information Technol. Journal, Pakistan

Number of References: 17

Record 1 of 2,042 (Set #2) ▶

▲ SUMMARY



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Inspec 检索 - 主题字段 - 控制词



为什么使用控制词?

- 增强检索结果的相关性，减少无关检索结果
- 检索Web:

作为主题词进行搜索



作为控制词进行搜索

Search History	
Combine Sets	Results
<input type="radio"/> AND <input type="radio"/> OR <input type="button" value="COMBINE"/>	<input type="button" value="SAVE HISTORY"/> <input type="button" value="OPEN SAVED HISTORY"/>
<input type="checkbox"/> #13	70,806 TS=web DocType=All document types; Language=All languages; Treatment=All treatment types; Database=Inspec; Timespan=1898-2007
<input type="checkbox"/> #12	11,718 CI=web DocType=All document types; Language=All languages; Treatment=All treatment types; Database=Inspec; Timespan=1898-2007



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Inspec 检索 - 主题字段 - 控制词



选编原则：

- 择自Inspec叙词表的关键词和词组
- 标准化的标点符号,拼写和专有名词
- 选用相关度高的词或词组
- 相关词或词组被且选用在最恰当的水平
- 由Inspec专家选编的能概括文献内容的关键词

Inspec叙词表(控制词表)有1万9千个词和词组,其中有10,000余优先词, 9,000余引入词



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Inspec 检索 - 主题字段 - 控制词

控制词结构代码	意义
Use For	相关同义、近义词（但并未收录入控制词）
Narrower terms	子级控制词
Broader Terms	父级控制词
Top Terms	顶级控制词
Related Terms	相关控制词
Related Classification Codes	相关分类代码
Date of Input	收录时间
Prior Terms	前词

Inspec

Inspec Thesaurus

Use the Find feature to locate terms to add to your query.

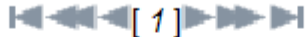
Enter text to find terms containing or related to the text.

Example: automat* to find application generators and automatic programming

internet

Find

Results Page 1 (Terms 1 - 26 of 26)



KEY: Add = add to query H = view in hierarchy T = view thesaurus details

- Add H T DiffServ networks
- Add H T digital libraries
- Add H T extranets
- Add H T government policies
- Add H T information networks
- Add H T information resources
- Add H T Internet
- Add H T Internet telephony

在Inspec叙词表中查找与Internet相关的叙词

搜索结果不仅包含和Internet字面单词相关的叙词，同时包含与Internet有关联的叙词

点击T显示相关词在叙词表里的详细信息

Internet

KEY: Add = add to query H = view in hierarchy T = view thesaurus details

Thesaurus Term: Add H T Internet

Used For: Usenet, Web servers, World Wide Web, domain names (Internet)

Narrow Term(s): Add H T Internet telephony, Add H T semantic Web

Broader Term(s): Add H T information networks

Related Term(s): Add H T DiffServ networks, Add H T IP networks, Add H T IntServ networks, Add H T Java, Add H T Perl, Add H T digital libraries, Add H T extranets, Add H T information resources, Add H T internetworking, Add H T intranets, Add H T multicast protocols, Add H T multiprotocol label switchi

Top Term(s): Add H T computer applications, Add H T digital systems, Add H T distributed processing, Add H T information management, Add H T networks (circuits), Add H T telecommunication

Related Classification Code(s): B6210L, C5620W, C6150N, C7210N, D2080, D5020, E0430

Date of Input: January 1995

Prior Term(s): Add H T internetworking, Add H T wide area networks

Transfer your selected term(s) below to the Controlled Index field on the Search page. OK Cancel

点击ADD相关的控制词将自动放入检索条件中

- Add H T transport protocols
- Add H T video streaming
- Add H T virtual enterprises
- Add H T virtual private networks

Results Page 1 (Terms 1 - 26 of 26)

OK

Cancel

Transfer your selected term(s) below to the Controlled Index field on the Search page.

Controlled Index field input area

KEY: ADD = add to query H = view in hierarchy T = view thesaurus details

显示相关词的详细信息

用于代表哪些词汇

子级词

父级词

相关词

点击ADD相关的控制词将自动放入检索条件中

前词

点击H显示相关词在叙词表里的结构

顶级词

Thesaurus Term: ADD H Internet

Used For:

Usenet
Web servers
World Wide Web
domain names (Internet)

Narrow Term(s):

ADD H T Internet telephony
ADD H T semantic Web

Broader Term(s):

Related Term(s):

ISI Web of KnowledgeSM Take the next step

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Inspec Thesaurus

Use the Find feature to locate terms to add to your query.

Enter text to find terms containing or related to the text.
Example: "automat" to find application generators and automatic programming

internet Find

Browse Inspec Thesaurus Hierarchy

KEY: ADD = add to query T = view thesaurus details

View Entry [1 | 2 | 3 | 4 | 5 | 6]

- ADD information management T
 - ADD information resources T
 - ADD information services T
 - ADD information resources T
 - ADD information networks T
 - ADD Internet T
- ADD document handling T
- ADD competitive intelligence T
- ADD records management T

Back to top

- ADD H T intranets
- ADD H T multicast protocols
- ADD H T multiprotocol label switching
- ADD H T quality of service
- ADD H T routing protocols
- ADD H T video streaming
- ADD H T virtual enterprises
- ADD H T virtual private networks

Top Term(s):

- ADD H T computer applications
- ADD H T digital systems
- ADD H T distributed processing
- ADD H T information management
- ADD H T networks (circuits)
- ADD H T telecommunication

Classification Code(s):

B6210L
C5620W
C6150N
C7210N
D2080
D5020
E0430

Date of Input:

January 1995

Prior Term(s):

- ADD H T internetworking
- ADD H T wide area networks

Transfer your selected term(s) below to the Controlled Index field on the Search page.

OK Cancel

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Inspec Thesaurus

Use the Find feature to locate terms to add to your query.

Enter text to find terms containing or related to the text.

Example: automat* to find application generators and automatic programming

Browse Inspec Thesaurus Hierarchy

KEY: = add to query = view thesaurus details



View Entry [1 | 2 | 3 | 4 | 5 | 6]

- information management
- information resources
- information services
 - information resources
 - information networks
 - Internet
- document handling
- competitive intelligence
- records management

显示相关词的结构

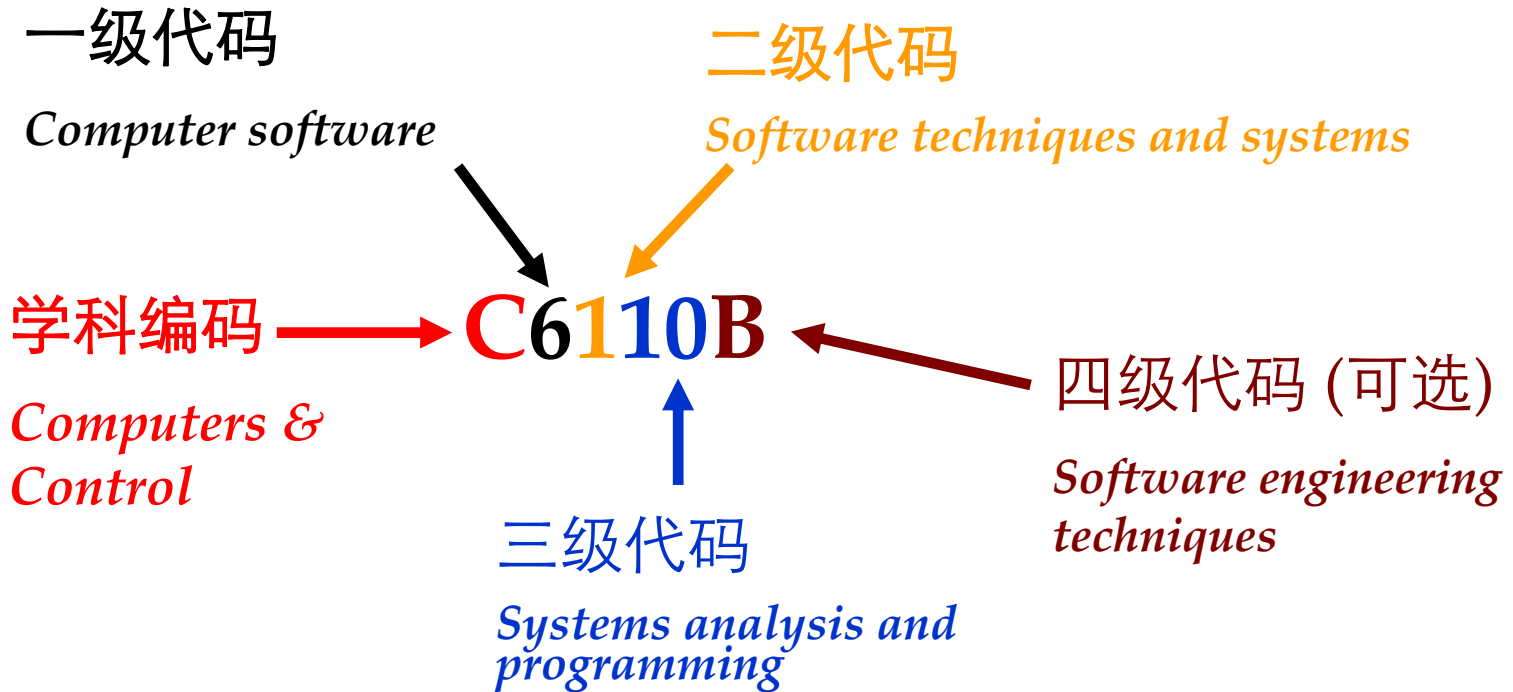
[Back to top](#)

Transfer your selected term(s) below to the Controlled Index field on the Search page.



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Inspec 检索 - 主题字段 - 分类代码





Inspec 检索 - 主题字段 - 分类代码

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Browse Classification Hierarchy

KEY: = add to query = view scope notes



Physics

Electrical Engineering & Electronics

Computers & Control

学科编码

- C0000 General and management topics
- C1000 Systems and control theory
- C3000 Control technology
- C4000 Numerical analysis and theoretical computer topics
- C5000 Computer hardware
- C6000 Computer software

一级代码

二级代码

三级代码

四级代码 (可选)

- C6100 Software techniques and systems
- C6110 Systems analysis and programming
 - C6110B Software engineering techniques
 - C6110F Formal methods
 - C6110J Object-oriented programming
 - C6110L Logic programming
 - C6110P Parallel programming
 - C6110R Software performance evaluation
 - C6110S Software metrics
 - C6110V Visual programming

C6115 Programming support

C6120 File organisation

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Inspec 检索 - 主题字段 - 分类代码



收缩检索

A Physics

B Electrical & Electronic Engineering

C Computing & Control

D6000 Computer software

E6100 Software technologies and systems

C6110B Software analysis and techniques

C6110B Software engineering techniques

C6110F Object-oriented programming

C6110L Logic programming

C6110P Parallel programming

.

输入:

C6*

C61*

C6110*

C6110B

Inspec Classification

Use the Find and Browse features to locate codes to add to your query.

Enter text to find classifications containing or related to the text.

Example: thermo* to find A0720D Thermometry and A8260 Chemical thermodynamics

Results Page 1 (Terms 1 - 5 of 5)

Navigation icons: Home, Previous, [1], Next, End

KEY: = add to query = view in hierarchy = view scope notes

- B1265F Microprocessors and microcomputers
- C5130 Microprocessor chips
- C5135 Digital signal processing chips
- C5250 Microcomputer techniques
- C5430 Microcomputers

Results Page 1 (Terms 1 - 5 of 5)

Navigation icons: Home, Previous, [1], Next, End

在检索框中输入一个词或者词组
进行分类代码查找检索

Scope note为您在检索中新增
或替换代码提供了指导。

相关代码的详细范围
信息，包含说明，相
关参考信息以及历史
范围说明等

KEY: = add to query = view in hierarchy = view scope notes

Code and Title: **C5250 Microcomputer techniques**

Scope Note: includes development systems and microcomputer boards

See Also Cross Reference: see also B1265F Microprocessors and microcomputers

See Cross Reference: for complete microcomputer systems, see C5430
for microprocessor and microcomputer chips, see C5130

History Scope Notes: 1969-1978: C5280
1979-

Transfer your selected term(s) below to the Controlled Index field on the Search page.



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Inspec 检索 - 主题字段 - 处理代码



定义：

用于说明文献的研究方法及所探讨主题的类型。



分类：

- 应用 (Applications)
- 引文 (Biographical)
- 经济 (Economic)
- 实验 (Experimental)
- 一般性综述 (General Review)
- 新发展 (New developments)
- 实用 (Practical)
- 产品评述 (Product review)
- 理论 (Theoretical)

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Inspec 检索 - 主题字段 - 非控制词



定义:

属于Inspec的一个检索字段，是从原始文献中查找出的关键词。这些字词由Inspec专家择选，并涵盖了原始文献的主要概念。



择选依据:

- 标题
- 摘要
- 全文
- 索引员的专业知识



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Inspec 检索 - 主题字段 - 非控制词

Accession Number: 9549811

Document type: Journal Paper

Title: A strategy for testing of Web based software

Author(s): [Mustafa, G.](#); [Abad Ali Shah](#); [Asif, K.H.](#); [Ali, A.](#)

Source: Information Technology Journal vol.6, no.1 : 74-81, Jan.-Feb. 2007

Language: English

Treatment: Practical

Abstract: The computing environment for Web applications is dynamic and complex as Internet is heterogeneous, distributed, multi-platform, multimedia, multilingual and cooperative wide area network. The Web software itself is also dynamic and rapidly evolving. This complex and dynamic computing environment, complex user requirements, new features and constraints make the testing of Web-based software a challenging task. Traditional testing techniques are not sufficient because they do not address the challenges associated with the Web-based applications. This study reviews the techniques for the testing of Web based applications and gives a strategy to use the testing techniques meeting the challenges of testing Web-based software.

Controlled Indexing: [Internet](#); [program testing](#); [software engineering](#)

Uncontrolled Indexing: software testing; Internet; Web software; software engineering

Classification Code(s):

[C6150G](#) Diagnostic, testing, debugging and evaluating systems

[C6150N](#) Distributed systems software

[C6110B](#) Software engineering techniques

Author Address: Mustafa, G.; Dept. of Comput. Sci. & Eng., UET, Lahore, Pakistan

Publisher: Information Technol. Journal, Pakistan

Number of References: 17

Record 1 of 2,042 (Set #2) ▶

▲ SUMMARY



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Inspec 检索 - 主题字段 - 非控制词



应用场合：

- 新概念, 缩写和全名
- 产品或公司名称
- 地名
- 化学制品 (无机化合物分子式, 有机化合物名称)
- 数字数据
- 非专业或技术性词或词组



The Knowledge Network

Inspec 检索 - 主题字段 - 化学索引



定义:

为检索无机化合物/分子式而设计的控制词索引。
(应用于1987年以后的文献)



检索中存在的问题:

- 大小写问题

Co = CO

- 不同表达方式

铝砷化镓 (aluminium gallium arsenide)

$GaAlAs = AlGaAs = Ga_x Al_{1-x} As = (GaAs)_{0.5} (AlAs)_{0.5}$



The Knowledge Network

Inspec 检索 - 主题字段 - 化学索引



解决方案:

控制词结构代码	意义
El (element)	单元素
Bin (binary system)	两个元素
ss (system with 3 or more components)	三个或以上元素



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Inspec 检索 - 主题字段 - 化学索引



解决方案:

区分:

CO/bin...	Co/el
Ga/ss Al/ss As/ss	Al/bin As/bin
NaCl/bin	KCl/bin... NaBr/bin...

举例:

检索: 水	H ₂ O
检索: 硫酸	H ₂ SO ₄
检索: 砷镓铝	GaAlAs



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Inspec 检索 - 主题字段 - 数值索引



定义：

为检索数字/数值的而设计的控制词索引。
(应用于1987年以后的文献)



检索中存在的问题：

- 度量单位不统一

温度的计量：摄氏度、华氏度、绝对温度

- 计量格式不一致

长度的单位：纳米、毫米、厘米、米、千米、公顷.....



The Knowledge Network

Inspec 检索 - 主题字段 - 数值索引



解决方案：

- 标准化度量单位：

- 温度：绝对温度 (K)

- 电压：伏特

- 温度：绝对温度 (K)

- 长度：米

-

- 统一计数方法：

- 1 科学计数法(适用于较大或较小数值)

- 2 普通计数法(适用于普通数值)



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Inspec 检索 - 主题字段 - 数值索引



科学计数法：

固定字母E

(表示浮点数值结束)

指数幂正负

(+表示指数幂为正，即增大)

(-表示指数幂为负，即减小)

$12100 = 1.21 \times 10^5 = 1.21E+05$

普通计数法 科学计数法 科学计数法(计算机表示)

← 指数幂个数

浮点数值

(介于1-10之间)



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Inspec 检索 - 目录字段 - 作者索引



索引方法:

- 姓 + 缩写/名

AU=Smith or

AU=Smith j o or

AU=Smith j*

.....



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Inspec 检索 - 目录字段 - 作者/联系地址索引



索引方法:

- 作者姓 + 缩写/名 + 地址

AD = Zheng nanning Jiaotong

AD = Nat. Phys. Lab., Teddington, UK



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Inspec 检索 – 目录字段 – 语言索引



索引方法：

● 语言类型*

LA = Chinese or French

*语言种类指的是文档印刷时所使用的原始语言。而在收录入 Inspec 数据库时，所有收录入的信息均已被转换为英语。



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Inspec 检索 - 目录字段 - 其他索引

索引类型	示例
文献类型(Document type)	DT=Journal paper
源刊名称(Publisher)	SO=Electronics letters
会议名称(Meeting Information)	MI=SPIE
刊号 (Identifying Code)	IC=ISSN: 0067-0049



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目录

- 引入
- Inspec 简介
- Inspec 检索指导
- **Inspec on WOK**



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Inspec 简介

- Inspec on WOK简介
- Inspec on WOK个性化定制检索



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Inspec on WOK简介



WOK平台特点

- 同一平台可检索多个数据库 (SCI)
- 检索结果分析
- 超过60%的Inspec收录的文献可以通过平台链接到全文，在WOK平台能链接到：
 - 大多数重要出版商/物
 - 其它数据库 on WOK
 - OPAC联机公共目录查询系统



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Inspec on WOK简介



超过2100种被Inspec收录的期刊杂志具有全文链接

出版商	期刊数	出版商	期刊数
EBSCO	677	Taylor Francis	42
Elsevier	580	AIP	40
Kluwer	230	Blackwell	37
IEL	200	IOP	30
Wiley	125	OUP	21
Springer	75	CUP	20
World Scientific	46		

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ISI Web of KnowledgeSM

首先打开选择数据库标签，点选 Inspec 数据库

Select a Database

Inspec

Additional Resources

Search | Advanced Search | Search History

Inspec[®]

主题检索包括标题，摘要，控制词，非控制词和分类代码等字段

使用控制词检索可以获取 Topic 检索中无法获取的相关文献并剔除 Topic 检索里获得的相关的文献。点击图标可以直接控制词

点击进入高级搜索界面

点选 Inspec 检索标签页

ISI Web of KnowledgeSM

Take the next step

All Databases | Select a Database | Inspec | Additional Resources

Search | Advanced Search | Search History | Marked List (0)

Inspec[®]

Advanced Search. Use 2-character tags, Boolean operators, parentheses, and set references to create your query. Results appear in the Search History at the bottom of the page.

Example: TS=(nanotub* SAME carbon) NOT AU=Smalley RE #1 NOT #2 [more examples](#) | [view the tutorial](#)

Search

Limit to: (Change Limits)
Timespan=All Years

Field Tags	Booleans
TS=Topic	AND
TI=Title	OR
AU=Author/Editor	NOT
SO=Source Title	SAME
PY=Year Published	
AD=Address	
CI=Controlled Index	
UI=Uncontrolled Index	
CL=Classification	
CH=Chemical Data	
AO=Astronomical Object	
MI=Meeting Information	
IC=Identifying Codes	
See help for Numerical Data tags.	

使用布尔运算符对检索条件进行布尔运算

如果检索条件不够，可以点击增加检索条件链接，可增加至多达25个检索条件

检索一些文章涉及了某个方法的应用，可选择 Applications

Identifying Codes
Language
Document Type
Treatment Type

用下拉菜单选择其他检索条件

ISI Web of KnowledgeSM

Take the ne

关键词检索提示

All Databases

Select a Database

Inspec

Additional Resources

Search | Advanced Search | Search History | Marked List (0)

Inspec[®]

Advanced Search. Use 2-character tags, Boolean operators, parentheses, and set references to create your query. Results appear in the Search History at the bottom of the page.

Example: TS=(nanotub* SAME carbon) NOT AU=Smalley RE #1 NOT #2 [more examples](#) | [view the tutorial](#)

Search

高级检索界面检索框

搜索年限

Limit to: [\(Change Limits\)](#)
Timespan=All Years

帮助细化搜索结果

Field Tags	Booleans
TS=Topic	AND OR NOT SAME
TI=Title	
AU=Author/Editor	
SO=Source Title	
PY=Year Published	
AD=Address	
CI=Controlled Index	
UI=Uncontrolled Index	
CL=Classification	
CH=Chemical Data	
AO=Astronomical Object	
MI=Meeting Information	
IC=Identifying Codes	
See help for Numerical Data tags.	

Restrict results by any or all of the options below:

All languages English Afrikaans Arabic	All document types Journal Paper Book Book Chapter	New Development Practical Product Review Theoretical or Mathematical
--	--	--

Search History

Set	Results

Open Saved History

搜索历史

Combine Sets

AND OR

Combine


Delete Sets

Select All

Delete

ing

ISI Web of KnowledgeSM

Take the next step 

- All Databases
- Select a Database
- Inspec
- Additional Resources

- Search
- Advanced Search
- Search History

Inspec®

Results

Topic=(internet)
Timespan=All Years. Databases=INSPEC.

如要在所得的结果内再进行二次检索，可于“Refine Search”内输入检索词

所检索出的结果可以按相关性或收录时间等进行排序

<<< Back to results list

Analyze Results

Refine R

Search within

- 67,981 records. Topic=(microcomputer)
- | Rank the records by this field: | Analyze: | Set display options: | Sort by: |
|--|--------------------|---|---|
| <ul style="list-style-type: none"> Classification Controlled Index Country/Territory Document Type | Up to 500 records. | Show the top 10 results.
Minimum record count (threshold): 2 | <input checked="" type="radio"/> Record count
<input type="radio"/> Selected field |
- Analyze
- Classifications
- INFORMATION NETWORKS (41,201)
 - COMPUTER COMMUNICATIONS (29,940)
 - OTHER COMPUTER NETWORKS (27,943)
 - DISTRIBUTED SYSTEMS SOFTWARE (21,407)
 - PROTOCOLS (13,832)

- Sort by: Latest Date
- Latest Date
 - Relevance
 - First Author
 - Source Title
 - Publication Year

使用分析工具进行分析

点击以获取全文

有关本文的作者、刊物等相关介绍与链接

相关智能分析结果。包括作者/控制词/分类代码/文件类型/语言/出版年份/出版者等数据分析

Analyze Results

67,981 records. Topic=(microcomputer)

Rank the records by this field:	Analyze:	Set display options:	Sort by:
<ul style="list-style-type: none"> Classification Controlled Index Country/Territory Document Type 	Up to <input type="text" value="500"/> records.	Show the top <input type="text" value="10"/> results. Minimum record count (threshold): <input type="text" value="2"/>	<input checked="" type="radio"/> Record count <input type="radio"/> Selected field

Analyze

选择一个广泛的主题区域进行检索，然后用分类进行分析。这样我们就能够选择对我们来说比较重要的领域。或者选择控制词等其他字段进行分析，浏览相关的记录

Use the checkboxes below to view the records.

Note: The number of records displayed may be greater than the listed Record Count if the original set contained more records than the number of records analyzed.

<input type="checkbox"/>	Field: Classification	Record Count	% of 500	Bar Chart	<input type="button" value="Save Analysis Data to File"/>
<input type="checkbox"/>	MICROPROCESSORS AND MICROCOMPUTERS	116	23.2000 %	<div style="width: 23.2%; height: 10px; background-color: #4a7ebb;"></div>	
<input type="checkbox"/>	MICROPROCESSOR CHIPS	71	14.2000 %	<div style="width: 14.2%; height: 10px; background-color: #4a7ebb;"></div>	
<input type="checkbox"/>	POWER ENGINEERING COMPUTING	69	13.8000 %	<div style="width: 13.8%; height: 10px; background-color: #4a7ebb;"></div>	
<input type="checkbox"/>	CONTROL ENGINEERING COMPUTING	46	9.2000 %	<div style="width: 9.2%; height: 10px; background-color: #4a7ebb;"></div>	
<input type="checkbox"/>	CONTROL OF ELECTRIC POWER SYSTEMS	45	9.0000 %	<div style="width: 9.0%; height: 10px; background-color: #4a7ebb;"></div>	
<input type="checkbox"/>	MICROCOMPUTER TECHNIQUES	44	8.8000 %	<div style="width: 8.8%; height: 10px; background-color: #4a7ebb;"></div>	
<input type="checkbox"/>	MICROCOMPUTERS	43	8.6000 %	<div style="width: 8.6%; height: 10px; background-color: #4a7ebb;"></div>	
<input type="checkbox"/>	COMPUTERISED INSTRUMENTATION	42	8.4000 %	<div style="width: 8.4%; height: 10px; background-color: #4a7ebb;"></div>	
<input type="checkbox"/>	BIOLOGY AND MEDICAL COMPUTING	36	7.2000 %	<div style="width: 7.2%; height: 10px; background-color: #4a7ebb;"></div>	
<input type="checkbox"/>	DISTRIBUTED SYSTEMS SOFTWARE	32	6.4000 %	<div style="width: 6.4%; height: 10px; background-color: #4a7ebb;"></div>	

分析结果。点击选择您希望浏览的记录前的复选框，然后点击 View Records浏览结果

(599 Classification value(s) outside display options.)



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Inspection WOK个性化定制检索



注册个人账户，你可以：

- 存储检索策略
- 存储检索结果
- 建立个人资料档案夹
- 创建电子邮件提醒服务

All Databases

Select a Database

Inspect

Additional Resources

Search | Advanced Search | Search History

Inspect®

Results Topic=(inter
Timespan=All Yr

Results: **>100,000**

Refine Results

Search within results for

▼ **Classifications**

- INFORMATION NETWORKS (41,201)
- COMPUTER COMMUNICATIONS (29,940)
- OTHER COMPUTER NETWORKS (27,943)
- DISTRIBUTED SYSTEMS SOFTWARE (21,407)
- PROTOCOLS (13,832)
- [more...](#)

<< Done

My Journal List

Journal Name (Click to a journal name to view latest table of contents in ISI Current Contents Connect.)	RSS Feed	Alerting (Click "Modify Settings" to change the alert e-mail settings.)
ELECTRONICS LETTERS ELECTRON LETT <input type="button" value="Add Journals"/> <input type="button" value="Modify Settings"/>	<input type="button" value="XML"/>	Status: On Expires: 13 Oct 2008 <input type="button" value="Renew"/>

- 1. Title: [Web page filtering for domain ontology with the context of concept](#)
Author(s): Bo-Yeong Kang, Hong-Gee Kim
Source: **IEICE Transactions on Information and Systems** Volume: E90-D Issue: 5 Pages: 859-62 Published: May 2007
- 2. Title: [Inline or online?](#)
Author(s): Kennedy, S.
Source: **IT Now** Volume: 49 Issue: 3 Published: May 2007
- 3. Title: [Advanced data clustering methods of mining web documents](#)
Author(s): Sambasivam, S., Theodosopoulos, N.

快捷菜单选择



Inspec的数据特点

- Inspec的广度
 - 覆盖全球超过80个国家的出版物
 - 超过4,000种期刊和2000会议论文
 - 超过1000万条数据
- Inspec的深度
 - 源自具有百年历史的专业机构IET(英国工程技术学会)
 - 全球各国查新和专利申请/审批的必检数据库
- Inspec的速度
 - 每周1万条、每年逾50万条的检索资源更新
 - 每2年一次的控制词更新





Inspec的检索特点

- 两种检索界面分别适合普通及专业用户
- 共28种检索策略可供选择
- 特色检索字段能够有效提高检索相关性及准确性
- 数字索引/化学索引等特殊检索策略满足不同检索需求
- 检索结果自动分析
- 建立个人账户，满足个性化定制检索





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总结



IDL的特点

- 高质量的源刊
- 与Inspec检索无缝结合
- 高效跨库检索
- 定制化的个人服务



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培训与支持



培训

- 在线培训
- 现场培训



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Q&A

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Any Questions?

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致谢!



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