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2011

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2001

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一、技术恐惧问题的提出

20 80

Ulrich Beck

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一、技术恐惧问题的现实考察

Goffi

La Philosophie de la Technique

Jean-Yves

二、技术恐惧问题的理论梳理

20

William

Fielding Ogburn

1942 1948

Edward H. Spicer

Robert

Blauner

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computer alienation

computer anxiety
stress

computer phobia

Timothy Jay

computer

1. ■ ■ ■ ■

technophobia

technophobe

technophobic

technofear

technostress

techno-anxiety

techno-skepticism

1981

Computerphobia:

What to Do About It

M. M. Weil

L. D. Rosen

Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 12.

Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 13.

A. C. Raub

M. M. Maurer

M. J. Brosnan

B. Craig

2. ■ ■ ■ ■

Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 17.

Craig B. 1984. *Technostress: The Human Cost of the Computer Revolution*. Boston Addison Wesley: 1-3, 242.

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Korukonda A R, Finn S. 2003. An investigation of framing and scaling as confounding variables in information outcomes: the case of technophobia. *Information Sciences* , 155(1-2): 79-88.

Pelgrum W J, Plomp T. 1991. *The Use of Computers in Education Worldwide: Results From The IEA 'Computers in Education' Survey in 19 Educational Systems*. Oxford: Pergamon Press: 8-12.

Russell G, Bradley G. 1997. Teachers' computer anxiety: implications for professional development. *Education and Information technologies*, 2(1): 17-30.

Boehme-Neßler V. 2011. *Pictorial Law, Modern Law and the Power of Pictures*. Berlin: Springer Berlin Heidelberg: 3.

Sayago S, Blat J. 2011. An ethnographical study of the accessibility barriers in the everyday interactions of older people with the web. *Universal Access in the Information Society*, 10(4): 359-371.

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三、当前技术恐惧研究存在的问题

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一、研究内容和方法

二、研究思路



一、作为社会历史现象的技术恐惧

二、技术恐惧的历史形态辨析

The Quest for Certainty

Joel Mokyr

Knowledge Economy

*The Gifts of Athena: Historical Origins of the
Technopoly*

A. Feenberg

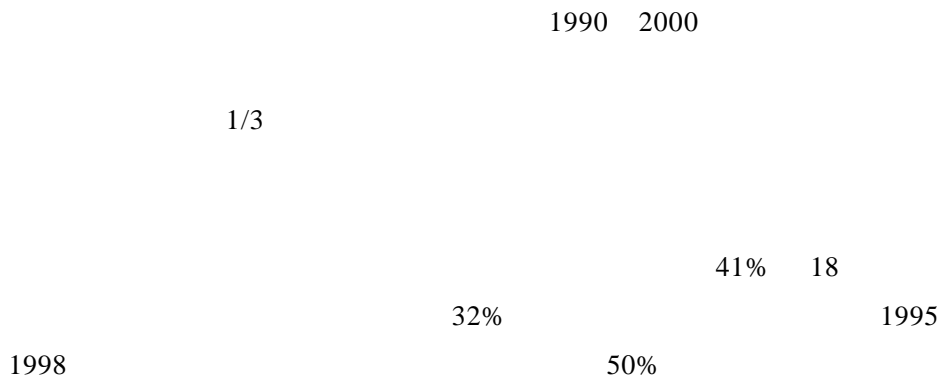
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Korukonda A R, Finn S. 2003. An investigation of framing and scaling as confounding variables in information outcomes: the case of technophobia. *Information Sciences*, 155(1-2): 79-88.

Korukonda A R. 2005. Personality, individual characteristic, and predisposition to technophobia: some answers, questions, and points to ponder about. *Information Sciences*, 170(2): 309-328.

1999 2003

technophobia

Institute for

Economic Research IFO

030 | _____

Hanks P. 1986. Collins Dictionary of the English Language. London: William Collins Sons & Co. Ltd: 1564.

. 1991. (). : : 3575-3576.

Jay T. 1981. Computerphobia: what to do about it. *Educational Technology*, (21): 47.

Korukonda A R. 2005. Personality, individual characteristic, and predisposition to technophobia: some answers, questions, and points to ponder about. *Information Sciences*, 170(2): 309-328.

Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 17.

Daniel Dinello

Sinkovics R R, Stöttinger B, Schlegelmilch B B, et al. 2002. Reluctance to use technology-related products: development of a technophobia scale. *Thunderbird International Business Review*, 44(4): 477-494.

Dinello D. 2005. *Technophobia: Science Fiction Visions of Posthuman Technology*. Austin: University of Texas Press: 8.

Korukonda A R. 2005. Personality, individual characteristic, and predisposition to technophobia: some answers, questions, and points to ponder about. *Information Sciences*, 170(2): 309-328.

二、技术恐惧与相关概念的厘定

1. ■ ■ ■ ■ ■ ■

Automated Teller Machine ATM

2. ■ ■

technostress

3. ■ ■

Aida R, Azlina A B, Balqis M. 2007. Techno stress: a study among academic and non academic staff//Dainoff M J. Ergonomics and Health Aspects of Work with Computers. Lecture Notes in Computer Science. vol.4566. Berlin: Springer Berlin Heidelberg: 118-124.

techno-anxiety

4. ■ ■ ■ ■

Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 15.

- . 2010. . . : : 31.
- . 2010. . . : : 31.
- . 2010. . . : : 31.

一、理性与非理性交织

Sinkovics R R, Stöttinger B, Schlegelmilch B B, et al. 2002. Reluctance to use technology-related products: development of a technophobia scale. *Thunderbird International Business Review*, 44(4): 477-494.

Dinello D. 2005. *Technophobia: Science Fiction Visions of Posthuman Technology*. Austin: University of Texas Press: 8.

二、心理与行为互动

三、内因与外源结合

四、现实与文化并存

五、正负效应兼具

Boehme-Neßler V. 2011. Caught between technophilia and technophobia: culture, technology and the law//Boehme-Neßler V. Pictorial Law: Modern Law and the Power of Pictures. Berlin: Springer Berlin Heidelberg: 1-18.

Aida R, Azlina A B, Balqis M. 2007. Techno stress: a study among academic and non academic staff//Dainoff M J. Ergonomics and Health Aspects of Work with Computers. Lecture Notes in Computer Science. vol.4566. Berlin: Springer Berlin Heidelberg: 118-124.

一、技术恐惧的内涵构成

tetus

I-1

技术

.985.
.201

二、技术恐惧

what

who

how

1-2

用户

复杂性
变异性
不确定性

特点

user

B. H. Loyd

C. Gressard

W. L. Gardiner

Korukonda A R. 2005. Personality, individual characteristic, and predisposition to technophobia: some answers, questions, and points to ponder about. *Information Sciences*, 170(2): 309-328.

Leonard N H, Leonard T L. Group cognitive style and computerphobia in functional business simulations. [https://journals.tdl.org/absel/index.php/absel/article/view/1292\[2019-10-09\]](https://journals.tdl.org/absel/index.php/absel/article/view/1292[2019-10-09]).

Frideres J S, Goldenberg S, Disanto J, et al. 1983. Technophobia: incidence and potential causal factors. *Social Indicators Research*, 13(4): 381-393.

, . 2001. , (4): 19.



三、技术恐惧的生成模型

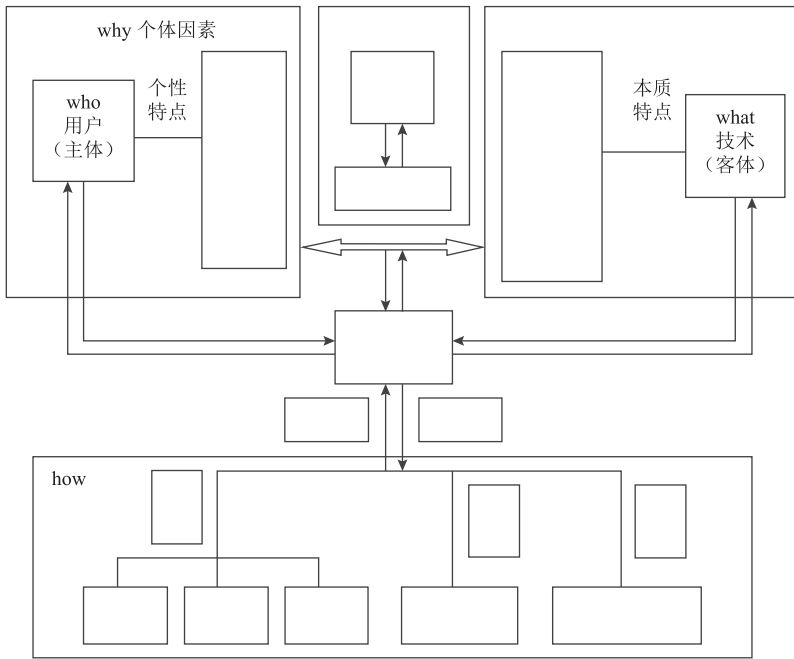
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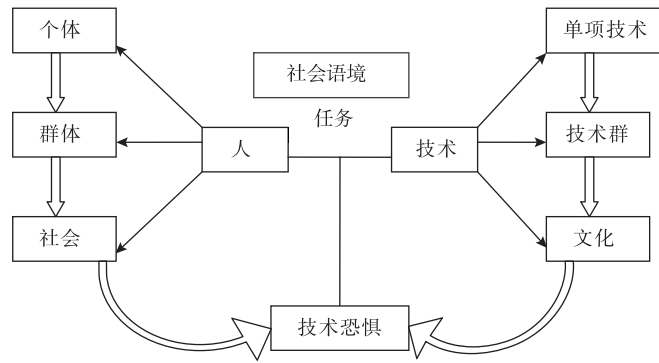


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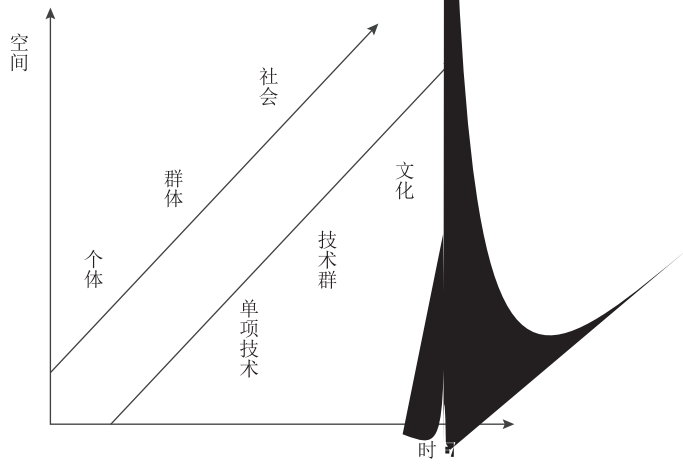


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一、单项技术层 的技术恐惧生成模式

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singleton techniques



2-2

. 2011. : : : : 20.

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techniques

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三、社会文化层 的技术恐惧生成模式

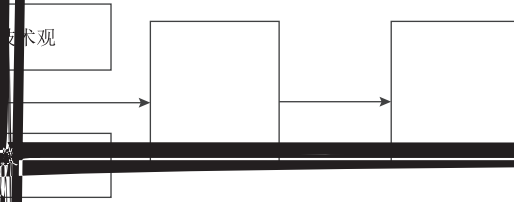
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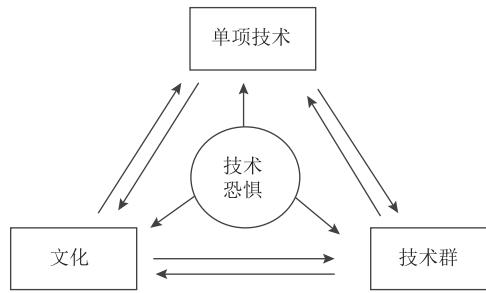
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技术观



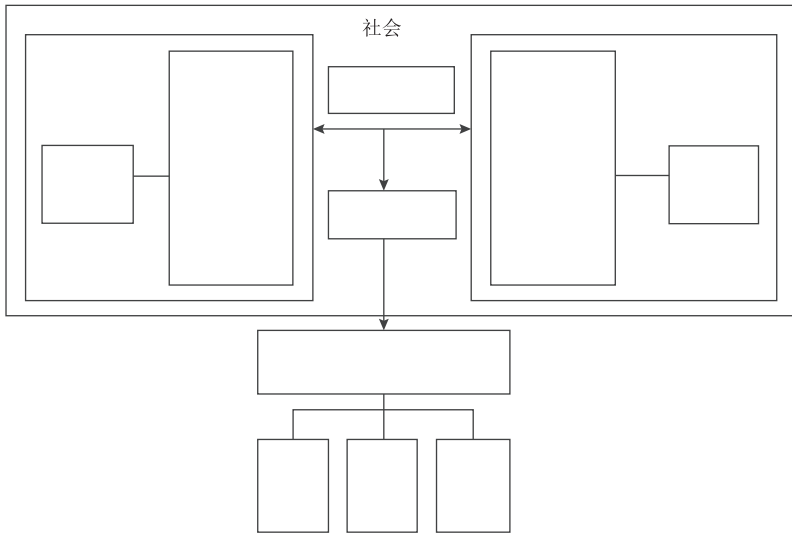
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一、单项技术及其历史生成

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一、从单项技术到技术群

Transforming Technology: A Critical Theory Revisited

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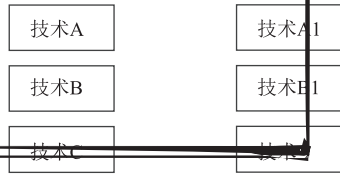
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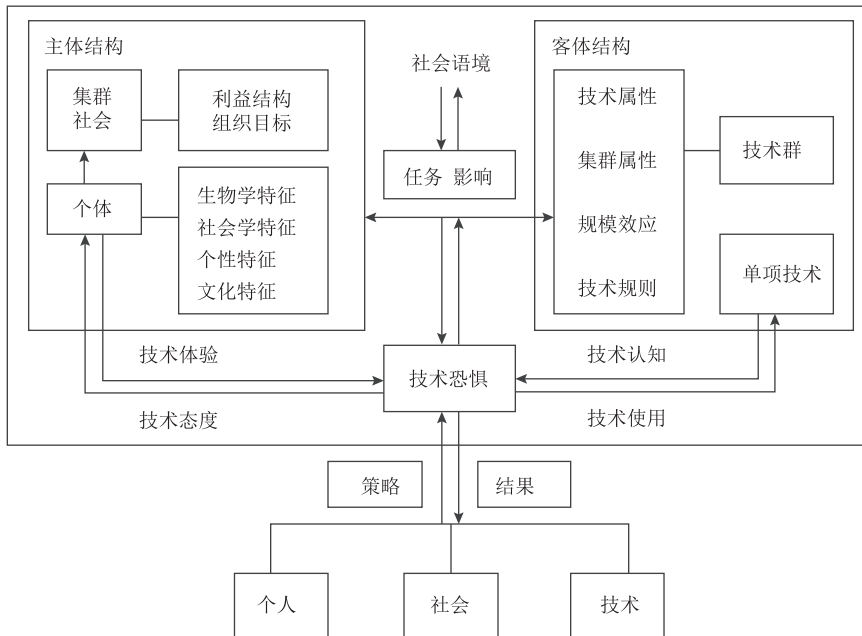
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二、技术群路径的技术恐惧生成

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一、作为文化存在的技术

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. 2009. : 52.
F. . 1986. : 3.
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二、文化路径的技术恐惧生成

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社会语

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一、技术发展对人性的关照

R. , F. , D. , . 1999. : : 133.
. 2010. : : 59-60.

. 1987. : 51.
. 1987. : 169.
, . 1995. : 214.

_____, 1995. ().
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(7): 37-42.
_____. 2000. _____ : _____ : 224
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二、技术对人性的叛离^③

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③ . 1994. . . . : 140.
④ . 1994. . . . : 143.
⑤ . 2010. . . . , (6): 71-75.

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. 2003. : : 46.
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三、技术恐惧主体的形成



一、技术恐惧中的年龄因素

M. Hogan 150 291

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/ %	/ %
52	24
18	28
30	48

M. Hogan. 2008. Age Differences in Technophobia: An Irish Study//Wojtkowski W, Wojtkowski G, Lang M, et al. Information Systems Development: Challenges in Practice, Theory, and Education. Vol. 1. Boston: Springer: 117-130.

30 20 20

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- Morris A, Goodman J, Brading H. 2007. Internet use and non-use: views of older users. *Universal Access in the Information Society*, 6(1): 43-57.
- Criel J, Geerts M, Claeys L, et al. 2011. Empowering elderly end-users for ambient programming: the tangible way//Riekkki J, Ylianttila M, Guo M. *Advances in Grid and Pervasive Computing. Lecture Notes in Computer Science*, vol 6646. Berlin: Springer: 94-104.
- Çoklar A N, Sahin Y L. 2011. Technostress levels of social network users based on ICTs in Turkey. *European Journal of Social Sciences*, 23(2): 171-182.
- Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 18.

M. Sievert

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27	13.6	144	72.4	7	3.5	17	8.5	4	2.0	—	—	49	48.5	26	25.7	19	18.8	7	6.9
17	8.8	105	54.4	35	18.1	27	14.0	9	4.7	61	14.5	122	28.9	92	21.8	81	19.2	66	15.6
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J. Anderson

V. Elder

J.

Dyck

J. Smither

1994

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Brosnan M J. 1998. Technophobia: The Psychological Impact of Information Technology. London and New York: Routledge: 18.

Sinkovics R R, Stöttinger B, Schlegelmilch B B, et al. 2002. Reluctance to use technology-related products: development of a technophobia scale. Thunderbird International Business Review, 44(4): 477-494.

32% 41% 18
25% 60
18 39

80 90 00



二、技术恐惧中的性别因素

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Petrina S, Feng F, Kim J. 2008. Researching cognition and technology: how we learn across the lifespan. *International Journal Technology and Design Education*, 18(4): 375-396.

Çoklar A N, Sahin Y L. 2011. Technostress levels of social network users based on ICTs in Turkey. *European Journal of Social Sciences*, 23(2): 171-182.

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155		3.06	0.73			

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1983

2006

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15%

Jackson L A, Ervin K S, Gardner P D, et al. 2001. Gender and the internet: women communicating and men searching . *Sex Roles: A Journal of Research*, 44(5-6): 363-379.

Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 22.

Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 22.

, . 2013.

, (9):11-17.

J. Kagan

99%

Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 49.

Barua A. 2012. Gendering the digital body: women and computers. *AI & Society*, 27(4): 465-477.

Kimbrough D R. 1999. On-line "chat room" tutorials—an unusual gender bias in computer use. *Journal of Science Education and Technology*, 8(3): 227-234.

S. Dunnett

STS

Richardson H, French S. 2005. Opting out? Women and on-line learning. *Computers and Society*, 35(2): 2.
Jackson L A, Ervin K S, Gardner P D, et al. 2001. Gender and the internet: women communicating and men searching. *Sex Roles: A Journal of Research*, 44(5-6): 363-379.
. 2007. . : 145.

. 2014. (), (3): 226-231.
Kotzé T G, Anderson O, Summerfield K. 2016. Technophobia: gender differences in the adoption of high-technology consumer products. *South African Journal of Business Management*, 47(1): 21-28.

一、职业与技术恐惧

Metlay

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La Porte

Frideres J S, Goldenberg S, Disanto J, et al. 1983. Technophobia: incidence and potential causal factors. *Social Indicators Research*, 13(4): 381-393.

Koo C, Wati Y. 2011. What factors do really influence the level of technostress in organizations? An empirical study. *New Challenges for Intelligent Information and Database Systems*, 14(11): 339-348.

20 90

Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 123.

Hickey K D. 1992. Technostress in libraries and media centers: case studies and coping strategies. *Tech Trends: Linking Research and Practice to Improving Learning*, 37(2): 17-20.

, . 2017. , (6): 37-45.

65%

67%

C. J. , D. M. . 1995. :
, (9): 61-65.

Brosnan M J. 1998. *Technophobia: The Psychological Impact of Information Technology*. London and New York: Routledge: 136.

Frideres J S, Goldenberg S, Disanto J, et al. 1983. Technophobia: incidence and potential causal factors. *Social Indicators Research*, 13(4): 381-393.

二、社会角色与技术恐惧

Kahn R L, Wolfe D M, Quinn R P, et al. 1965. Organizational stress: studies in role conflict and ambiguity. *American Sociological Review*, (10): 1.

, , . 2010.

, (4): 62-67.

三、受教育状况和经验与技术恐惧

Bloom

Wajcman

Kirkup

Ahmad

ATM CD

word

52.1%

20%

Ahmad J I. 2011. Technophobia phenomenon in higher educational institution: a case study. Penang Malaysia: 2011 IEEE Colloquium on Science and Engineering (CHUSER): 111-116.

Sinkovics R R, Stöttinger B, Schlegelmilch B B, et al. 2002. Reluctance to use technology-related products: development of a technophobia scale. *Thunderbird International Business Review*, 44(4): 477-494.

Frideres J S, Goldenberg S, Disanto J, et al. 1983. Technophobia: incidence and potential causal factors. *Social Indicators Research*, 13(4): 381-393.

一、技术恐惧的民族性

_____, _____. 2006. _____ (_____) (3): 157-160.

二、宗教信仰与技术恐惧

		23
1/3	16	20%
10	13%	4
5%		2.5
4%	55	
70%		

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- F. .2000. . . . , (1): 50-59.
- F. .2000. . . . , (1): 50-59.
- .2011. : . . . : 254.
- F. .2000. . . . , (1): 50-59.
- . 2011. : . . . :
231-232.
- Frideres J S, Goldenberg S, Disanto J, et al. 1983. Technophobia: incidence and potential causal factors. *Social Indicators Research*, 13(4): 381-393.

三、风俗习惯和文化传统中的技术恐惧

_____, _____. 1990. _____. _____. _____. : _____. : 117.

Fass E. 1980. Ted Hughes: The Unaccommodated Universe. Santa Barbara: Black Sparrow Press: 186.

一、技术恐惧中的性格特点因素

extraversion

agreeableness

conscientiousness

emotional stability

openness to experience

Appa Rao Korukonda

二、技术恐惧中的能力特点因素

. 2011. : . : 257.
Korukonda A R. 2005. Personality, individual characteristic, and predisposition to technophobia: some answers, questions, and points to ponder about. *Information Sciences*, 170(2): 309-328.

self-efficacy

Compeau

C. A. Higgins

D. R.

Korukonda A R. 2005. Personality, individual characteristic, and predisposition to technophobia: some answers, questions, and points to ponder about. *Information Sciences*, 170(2): 309-328.

Henry J W, Stone R W. 1997. The development and validation of computer self-efficacy and outcome expectancy scales in a nonvolitional context. *Behavior Research Methods Instruments & Computers*, 29(4): 519-527.

Koo C, Wati Y. 2011. What factors do really influence the level of technostress in organizations? An empirical study. *New Challenges for Intelligent Information and Database Systems*, 14(11): 339-348.



一、技术巫术化对技术恐惧的影

二、技术的意识形态偏向引发的技术恐惧

F. . 1986. :
. 2000. : 122.

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technophile

三、工具理性失灵形成的认 转向

. 2008. . : : 147.
. 2008. . : : 155.

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. 2000.	:	.	.	:	: 11.
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. 2008. : : 149.
. 2007. : : : 5.
. 2000. : : : 13.

一、技术不确定性和风险性与技术恐惧

A. Giddens

N. Luhmann

Charles P. 1994. Accidents in high-risk system. *Technology Studies*, (1): 25.

. 2011. , (6): 20-24.

. 2004. : : 59.

二、技术 杂性和易变性与技术恐惧

. 2010. : : 65.
. 2011. : , : :
257.
. 2011. : , : : 15.

. 2011. : . , . : :
241.
Sinkovics R R, Stöttinger B, Schlegelmilch B B, et al. 2002. Reluctance to use technology-related products: development of a technophobia scale. *Thunderbird International Business Review*, 44(4): 477-494.

三、技术的统治性和危害性与技术恐惧

K. Popper

Hickey K D. 1992. Technostress in libraries and media centers: case studies and coping strategies. *Tech Trends: Linking Research and Practice to Improving Learning*, 37(2): 17-20.

. 2008. . : : 145.

. 2005. . : : 337.

. 2000. : : 10.
. 1999. : : 246.

W. H. Hendrix

. 2005. . . . : 76.
. 1997. . . . : 438.

Koo C, Wati Y. 2011. What factors do really influence the level of technostress in organizations? An empirical study. *New Challenges for Intelligent Information and Database Systems*, 14(11): 339-348.

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一、误读技术引发的技术恐惧

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D. E. Stokes

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Star Wars Episode II: Attack of the Clones

J. Rotblat

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三、核技术恐惧

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四、医疗技术恐惧

五、其他技术恐惧

9 11

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The Consequences of Modernity 1990

Modernity and Self-Identity 1991

Runaway World 1999

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C. Lau

von Prittwitz

二、风险社会理论的认 论功能

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二、文化启蒙对现代技术恐惧的催生

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Matthew

Arnold

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三、文化对技术恐惧的传播

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A. Leopold

Sand County Almanac

Rachel Carson

Silent Spring

Limits

to Growth

The Matrix

The Terminator

Frankenstein

Jurassic Park

Avatar

The

Day the Earth Stood Still

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megamachine

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二、军事影 下的技术恐惧

1945

三、制度框架对技术恐惧的影

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一、经济与技术的辩证关系及其对技术恐惧的影

二、技术恐惧的市场导向

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三、经济效益下的技术恐惧

四、风险营销带来的技术恐惧

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2002 36.3%
visual display terminals VDT
VDT

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二、个体技术恐惧的生理和行为反应

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P. E. Brillhart

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Olson Mancur

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W. Cobbett

W. Blake

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Luddite movement

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C. Glendinning

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Haeckel			20
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一、技术恐惧的个体根源

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三、技术恐惧的社会根源

J. Ziman

一、技术恐惧的个人应对

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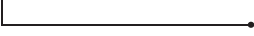
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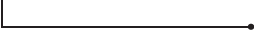
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