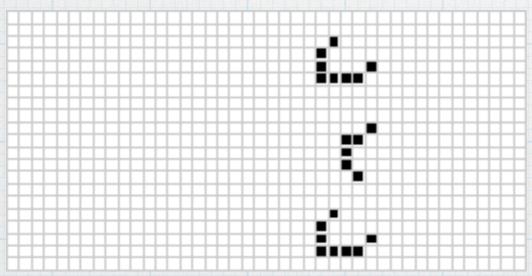
A "cane" for thinking an optimistic information engineering viewpoint on dementia

Katsunobu Imai (Hiroshima University)

The game of life

- * The game of Life (an extremely simple model of bacterial growth) conway 1970
 - * To study the asymptotic behavior of the game of life death, periodic repetition, unbounded growing





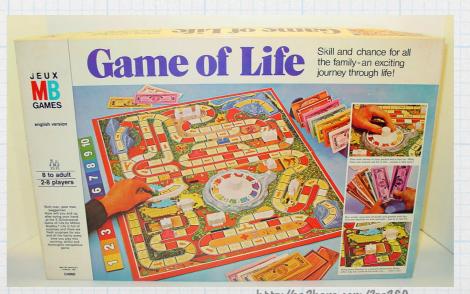
Wikipedia

http://mathworld.wolfram.com/CellularAutomaton.html

Growing: particularly, increasing the complexity of its pattern is interesting.

Vet another game of life

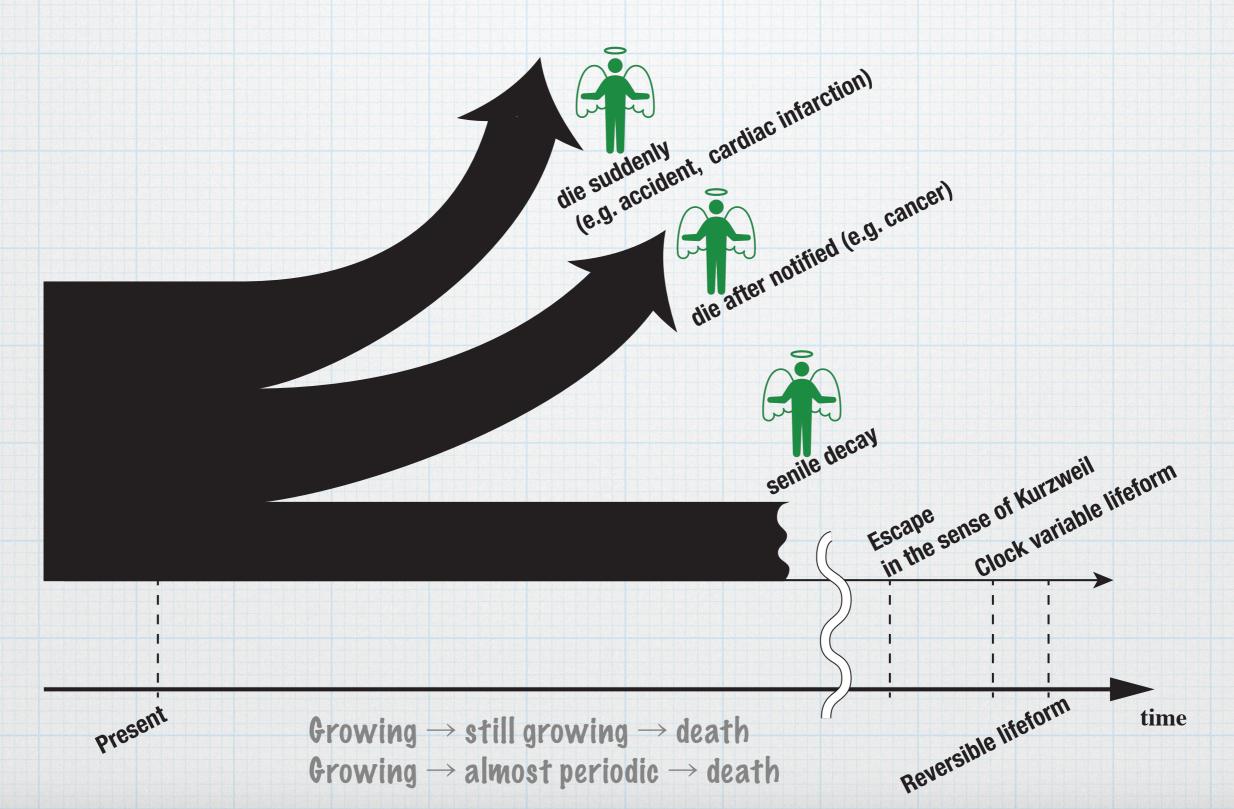
* To study the asymptotic behavior of my life — death, periodic repetition, unbounded growing



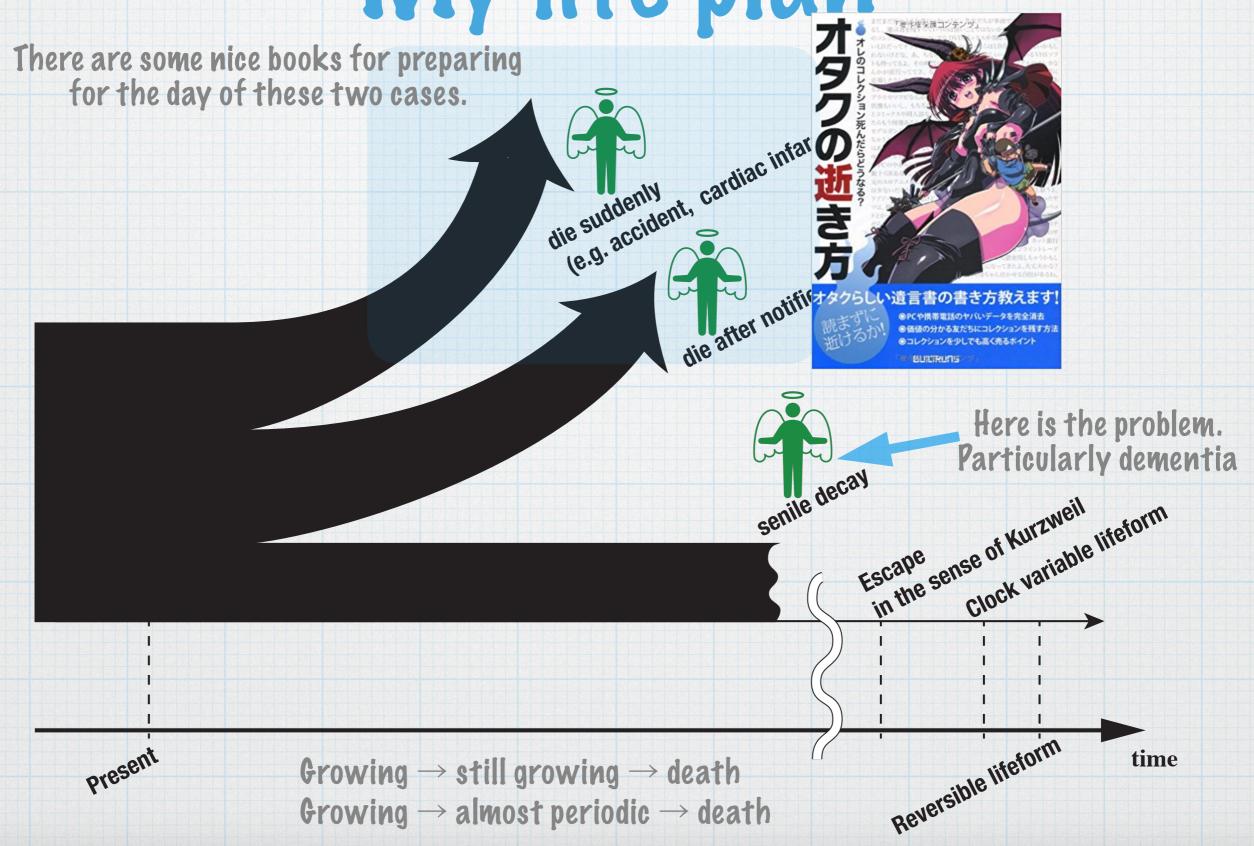


http://sa2hara.com/?p=369

My life plan



My life plan



Dementia

* Memory disorder and Disorientation





The case of a functional disorder of limb:

Functional electrical stimulation (FES)

- * Recording one's electromyography (EMG).
- * Storing the measured data.
- * Playing it to support a patient of motor paralysis.

It seems useless for supporting one's thinking process, because we don't want to think the same thing repeatedly.

Even if a different thinking process is invoked, it must be another person's thinking.



Dementia: living in a world like that of Memento?

Memento



数式



掟上今日子の忘備録





Anterograde amnesia (by herpes simplex encephalitis)

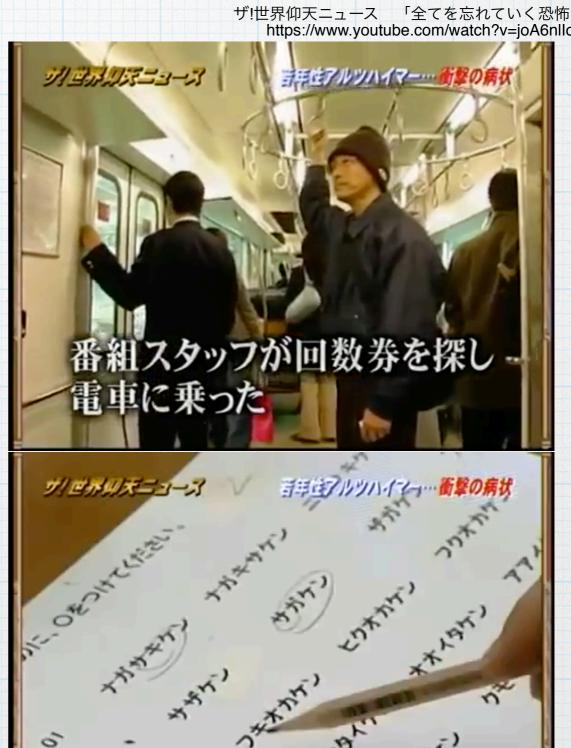


Early-onset dementia

ザ!世界仰天ニュース 「全てを忘れていく恐怖の病気」 https://www.youtube.com/watch?v=joA6nlloL9s

A 'paradox' of early onset dementia...





Memory disorder

- * Memory
 - * Semantic memory, episodic memory (apt to be lost by dementia)
 - * Procedural memory (e.g. riding a bicycle, etc.)
- * Memory Processing
 - * Memorization
 - * Retention
 - * Recall (You need to recall a thing at a proper time and a place.)
 - * Recollection (self associative, apt to be lost in aging)
 - * Familiarity (not self associative but can recognize)

	Anterograde amnesia	Early-onset dementia (advanced)	Senile dementia (early stage)	Senile dementia (advanced)	Senile dementia (last stage)
Memorization	X		0		X
Retention	X		0		X
Recollection	X	X	X	X	X
Familiarity	X		0		X
Motivation	0	0		×	X
Physical	0	0	0		×

Losing the ability of 'recollection.'
Losing the 'driving forth' of thinking.

Losing the ability of recollection and the driving forth of thinking

I cannot but completely rely on other's recommendation.
I have to be satisfied with things by a collective knowledge.

What is your favorites?

1: Sports

✓2:Travel

3: Driving

Submit

- * Can't lescape from giving up thinking?
- * Is everything directed by the others?

recommendation (a new story is made by the system)

The actual timeline

No, I want to stay geeky!

of my photo album

I don't want to obey the result of a big data analysis!

cf. "... for the rest of us" which is the 'rest'?

- © Knowlege Home[ki 2711]
- 引っ越し[aga 223]

Knowledge Home

This word by Toffoli 2002, 2004

Memory disorder and disorientation might be the same.

- * Moving to another house results in worsening of symptoms of dementia. One loses one's orientation.
- * I do not want to move from my 'knowledge home!'
- * Then what is my knowledge home?

- ◎ 生体計測[ki 2413]
- 作業パタンレコーダ[ki 1167]
- · 制御された並列性[ki 2897]

To begin with,...

What is my thinking process?

* This is the problem of biometrics.

If my thinking process will properly estimated, the prodromal stage of dementia (depression, schizophrenia,...) might be captured.

- * A thinking process makes a work process as a trajectory (a projection).
- * My thinking process may be a serialization of things stored in my brain. This ability will be lost in the beginning of Dementia.
- * It will be estimated by capturing my work process.
- * How to capture my work process?

O oops mailing list [ki 1]

Let's start from our very old experiment.

An experimental mailing list

* The 1st motivation: how to discuss something by email communications without the divergence of the discussion?

At the time,

* We had to submit our work to a workshop.

I usually don't want to take care of such deadlines, but,...

* We found a difficulty in discussing about it by emails.

編集委員:武市正人 米澤明憲

レクチャーノート/ソフトウェア学

4

オブジェクト指向コンピューティングI

日本ソフトウェア科学会WOOC'92

inherently asynchronous, tired of merging branches

We hated a traditional BBS, a file, and a hierarchical directory

- * スレチ (off topic) on a BBS is usually blamed, but tracking a discussion over different topics must be important.
- * File: If the goal of a discussion is not fixed, it is difficult to combine into a file.
- * A discussion structure may not form a thread or tree but a web (graph).

O outline processor[ki 1384]

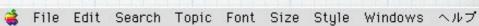
O oops mailing list [ki 1]

processor

* We desired an online collaborative outline processor.

Now available but they still depend on a file!

* A mailing list is write once and you can't edit.



Demo 🛚

I ▼ Introduction

- A. D Welcome to Acta! If you need a place to gather and organiz thoughts, your information, your time, your projects - Acta you.
- B. ▼ Organize Your Notes, Thoughts and Ideas!
 - 1. ▷ Object Oriented Note Taking!
- 2. D Create ToDo Lists, meeting agendas, classroom notes, etc.
- c. > Follow the text in the remainder of this outline to see just how to work with Acta.

II. ▼ Family Tree

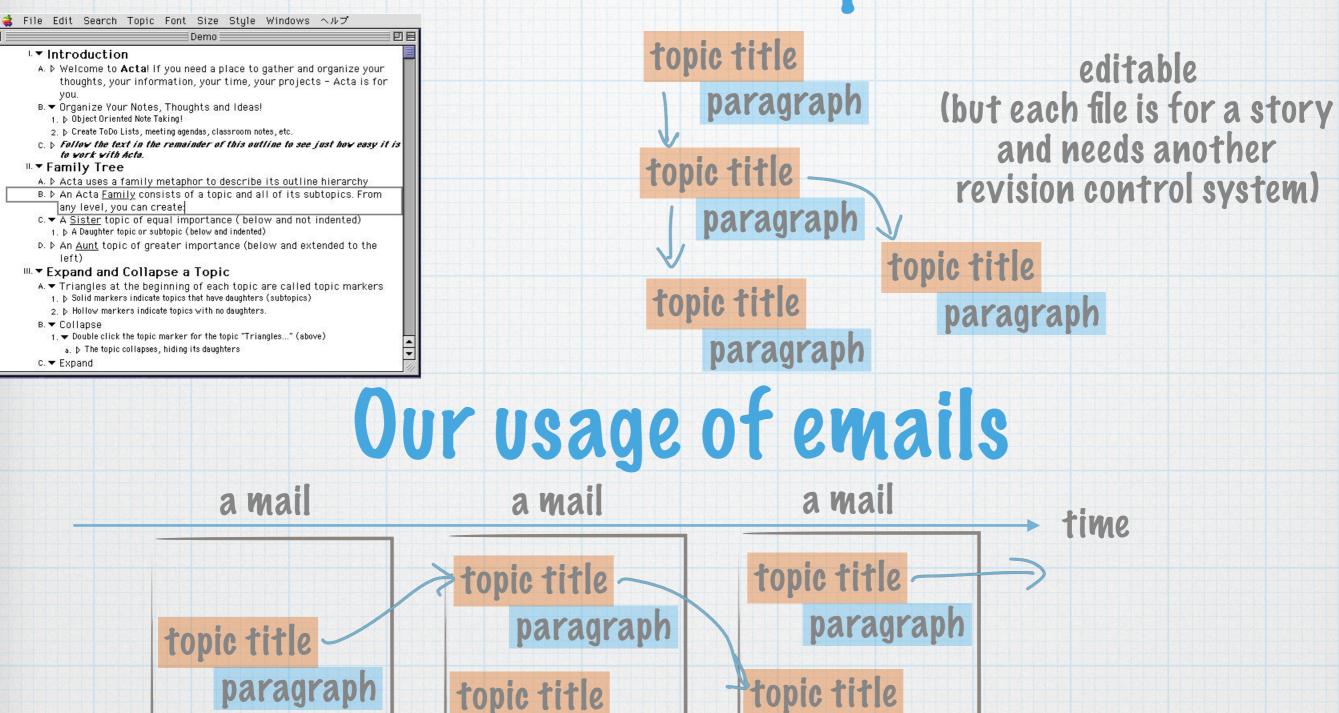
- A. D Acta uses a family metaphor to describe its outline hierard
- B. D An Acta <u>Family</u> consists of a topic and all of its subtopics.

 any level, you can create!
- C. ▼ A <u>Sister</u> topic of equal importance (below and not indented 1. ▷ A Daughter topic or subtopic (below and indented)
- D. D An <u>Aunt</u> topic of greater importance (below and extended to left)

III. ▼ Expand and Collapse a Topic

- A. ▼ Triangles at the beginning of each topic are called topic ma
 - 1. > Solid markers indicate topics that have daughters (subtopics)
- 2. > Hollow markers indicate topics with no daughters.
- B. ▼ Collapse
 - 1. ullet Double click the topic marker for the topic "Triangles..." (above)
 - a. > The topic collapses, hiding its daughters
- c. ▼ Expand

A file of an Outline processor



paragraph

paragraph

topic title

topic title

paragraph

paragraph

write once (but inherently stores revisions)

cf. backup software

O oops mailing list [ki 1]

○ 使い方[ki 6]

How to write an email sent to our mailing list?

- * Each topic title has an id.
- * A paragraph has at most three topic titles.
- * Quoting a sentence in a paragraph must be specified by using a special quote marker.

O topic A paragraph

o topic A
topic B
paragraph

topic Atopic Btopic Cparagraph

A 3 C B 3 C

Three topic titles are enough to represent "multiple inheritance" and the splitting of a topic. Two are not enough.

用いたメーリングリストのメールの例

From oops-adm@satsuki.ics.es.osaka-u.ac.jp Sat Sep Message-Id: <199609061403.XAA02365@satsuki.ics.es. From: imai@ke.sys.hiroshima-u.ac.jp (Katsunobu IMA 00ps: 3657 Reply-To: oops@satsuki.ics.es.osaka-u.ac.jp To: oops@satsuki.ics.es.osaka-u.ac.jp

Subject: reino are neta

Date: Fri, 6 Sep 96 23:03:33 +0900

Errors-To: oops-adm@satsuki.ics.es.osaka-u.ac.jp

X-Ml-Posted: Fri, 6 Sep 1996 23:03:04 +0900

X-Ml-Name: OOPS Mailing List

X-M1-Counter: 3657

これも omote に移そう

- ◎ 生体・生理工学シンポジウム[ki 1358]
- o バーチャル実験室[ki 1359]
- AltaVista[ki 1365]

<a href="http://kelp.ke.sys.hiroshima-u.ac.jp/expo</pre> 第11回 生体・生理工学シンポジウム まったく、つくづくもっと熱烈に断るんだったと 後悔しきりだが(笑)

ここ一週間ぐらい悩んでいたのだが、全然らちが あかない。何にも思いつかないのだった。

ともかく, 基本は AltaVista[ki 1365]みたいな Web 検索サーバの検索結果に何らかの小細工を入 れて、ちょっと便利なものにしようという方針で あるわけだが、もう締め切り近いのになんにも手 が無くて本当に困り果ててしまったわけだ。

他に打つ手がないので、また例によって誰かれ構 わず「突然失礼します」攻撃をかけて、戻ってき た返事のメールを参考に現状を打破しようと、い ろいる悩んでいるわけだが、

[prev]/[index]/[next]----[qm]

Date: Fri, 6 Sep 96 23:03:33 +0900

Subject: reino are neta

From: imai@ke.sys.hiroshima-u.ac.jp (Katsunobu IMAI)

これも omote に移そう

- 生体・生理工学シンポジウム[ki 1358] (prev/next) oバーチャル実験室[ki 1359] (prev/next)
 - AltaVista[ki 1365] (prev/next)

第11回 生体・生理工学シンポジウム

まったく、つくづくもっと熱烈に断るんだったと 後悔しきりだが(笑)

[3739]

ここ一週間ぐらい悩んでいたのだが、全然らちが あかない。何にも思いつかないのだった。

ともかく、基本は Alta Vista [ki 1365] みたいな Web 検索サーバの検索結果に何らかの小細工を入 れて、ちょっと便利なものにしようという方針で あるわけだが、もう締め切り近いのになんにも手 が無くて本当に困り果ててしまったわけだ。

[3689]

他に打つ手がないので、また例によって誰かれ構

oops: 3739

[prev]/[index]/[next]----[qm]

Date: Mon, 30 Sep 96 12:34:53 +0900

Subject: uchidome

From: imai@ke.sys.hiroshima-u.ac.jp (Katsu

- ◎ 生体・生理工学シンポジウム[ki 1358] o バーチャル実験室[ki 1359] (prev/next)
 - AltaVista[ki 1365] (prev/next)

HoTaMaLe[ki 1383]で変換したものに ない部分だけをちょっとだけ手直し

生体生理シンポ96用原稿

に置いた。標準設定のまま使ってい 変えると出なくなってしまうので手 それが、ドキュメントが日本語だか HoTaMaLe[ki 1383] がこの程度だから

内容がないんだ、細かい実装の話な ないし、だいたい、

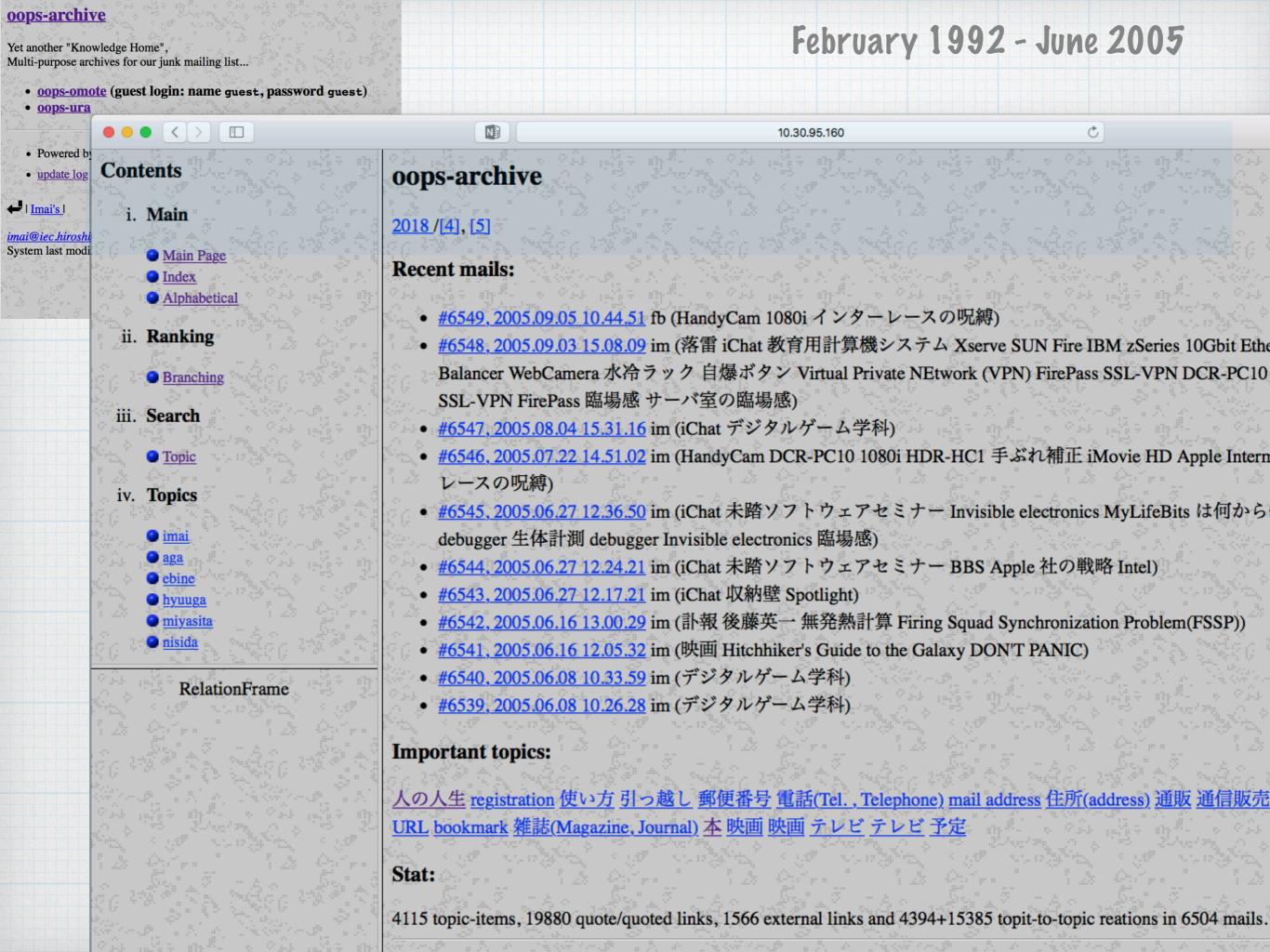
-*- Quote (from 3657) -*-

ここ一週間ぐらい悩んでいたのだ あかない。何にも思いつかないの

-*- Unquote -*-

のあと実働はプログラム書きと文章 一週間ぐらいだからこんなもんだろ

書けと言われたら「全部 a-list です。 しかない (笑) 新しい技などひとつ



Relation:

Toffoli[lst] [cf]

- ●自己触媒集合[lst][rel]
- MIT AI lab.[lst][rel]
- 時間[lst][rel]
- Knowlege Home[lst][rel]
- テスター [lst][rel]
- MIT AI lab.[Ist][rel]
- Knowlege Home[lst][rel]
- iChat[lst][rel]
- Unconvensional Models of Computation[lst][rel]

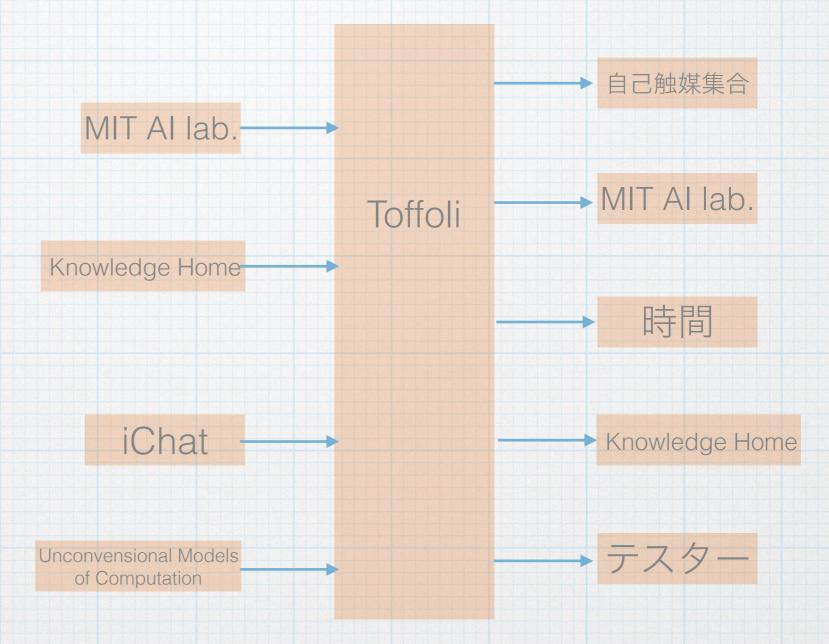
cf.level 0

- 自己触媒集合 [lst] [rel] (6444)
- o topic title [lst] [rel] (6444)
- うっぷすえむえるloops mailing list [lst] [rel] (6444)
- packing [lst] [rel] (6444)
- Toffoli 先生,最小作用を語る [lst] [rel] (5986)
- Wolfram [lst] [rel] (5986)
- Toffoli [lst] [rel] (5986)

level 1

- ナチュラリスト [lst] [rel] (5994)
- Toffoli 先生, 最小作用を語る [lst] [rel] (5994)
- 自己触媒集合 [lst] [rel] (5994)
- topic title [<u>lst</u>] [<u>rel</u>] (5994)
- うっぷすえむえるloops mailing list [lst] [rel] (5994)
- packing [lst] [rel] (5994)
- Minsky [lst] [rel] (5994)
- アシモフ死去 [lst] [rel] (5994)
- Reversible Cellular Automata(RCA) [lst] [rel] (5994)
- 日本橋 [lst] [rel] (5992)
- MIT AI lab. [lst] [rel] (5992)

Ex: Topics in the neighborhood of the topic 'Toffoli'



Employed topics in the context of 'Toffoli'

自己触媒集合, packing, reversible cellular automata, ...

World Wide Webの検索を支援するシステムの構築 A system for aiding users in retrieving data on World Wide Web

> 広島大学工学部 ○今井克暢

Faculty of Engineering, Hiroshima University

OKatsunobu Imai

Abstract. Today, there are many World Wide Web (WWW) servers on the Internet and it is very difficult to get proper informations from WWW. Of cource we can use WWW search engines which make index of pages on WWW and allow users to search WWW pages. But users are bothered to maintain their searching results, because pages on WWW are updated frequently. So we constructed a system to aid user in maintaining their searching result, using mailing lists and a WWW server.

- * Motivation: we need a search engine of the accumulated searching results and used searching keywords.
- * Storing used searching keywords and a searching method is more important than storing the searching result.

A simple record of search results is useless.

第11回 生体・生理工学シンポジウム 論 文 集

BPES '96

Proceedings of the 11th Symposium on Biological and Physiological Engineering

11 月 27 日(水)					
9:00	A 会場	B会場	C会場	D会場	
	受 付				
9:45	機能代行とリハビリ テーション	学習・記憶と神経コー ディング I	生体リズムとゆらぎ, そのダイナミックス I	生体計測I	
13:00					
	医療・福祉支援とバー チャルリアリティ	学習・記憶と神経コー ディングⅡ	生体リズムとゆらぎ, そのダイナミックス II	生体計測Ⅱ	
16 : 00 18 : 30	生体生理工学のための バーチャルラボラトリ				

11 月 28 日(木)						
9:00	A 会場	B会場	C会場	D会場		
	感覚と運動の統合	培養神経細胞とその神経 細胞における情報処理	眼球運動・姿勢制御	生体負担の計測		
12:00 13:00						
16:40	脳活動の無侵襲計測 I 脳活動の無侵襲計測 II	運動と代謝の生理機構	運動の制御機構	循環器系・呼吸器系の 解析 I		
17:00						
18:00	特 別 講 演					
10.00	表彰式・懇親会(大会議室)					

11 月 29 日 (金)						
9:00	A 会場	B会場	C会場	D会場		
13:00	脳活動の無侵襲計測Ⅲ 脳活動の無侵襲計測Ⅳ	感覚系における情報処理 I 感覚系における情報処理 II	生体機能の計測と解釈のための信号処理*	循環器系・呼吸器系の解析 Ⅱ 循環系のモデリングの意義 とその限界		

*日本エム・イー学会専門別研究会「生体機能の計測と解釈のための信号処理研究会」と共作

主催 (社)計測自動制御学会

期 日 平成8年11月27日(水)~11月29日(金)

会 場 大阪大学医学部銀杏会館

- O oops mailing list [ki 1]
- O Knowlege Home[ki 2711]

How to record searching activities?
How and where to store searching
activities?

I want store in my knowledge home.

I already have my knowledge home for storing them!

cf.
Masui et al. 2003
Information Navigation by Neighbor Hopping
近傍検索

Bell 2004 MyLifeBits ライフログ

検索履歴をどこへつなぎ止めておくか? ▮

発行した検索パタン,検索履歴の格納方法

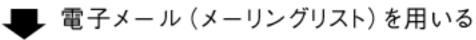
- 1. 日付順のリストやキーワードインデックス これだけでは従来の検索サービスと同じ一面的検索 サイズが肥大化すると破綻
- 2. 自分の独断的な見方(リンク)を与えること

ユーザにとって自然な手がかりをいかに残すか

ユーザの作業履歴をすべて記録できたら...

動機→キーワードの選択→ 検索→ 結果からの行動

随所からアプローチ可能



作業履歴記録のモデルとしてメーリングリスト・

登録ユーザ全員にメールが送られる 時間順に蓄積される

履歴追跡のために

- ・内容を表すタイトルを複数付ける(ユーザの独断で)
- ・引用を記述する書式を規定



作業の流れが追跡可能なメールリストに 検索結果も保持しよう ○ ナチュラリスト[ki 2710]

Thinking crystal

My impression when I am watching a patient of dementia: Trapped in a periodic repetition.

How to escape from the periodic repetition?

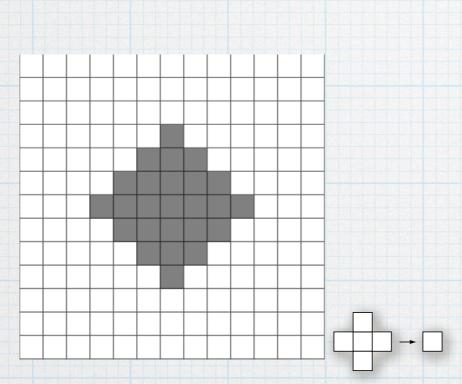
- * Even one can recognize a small size of context, one can add a new paragraph or topic title to the wave front and possible to avoid the periodicity with the help of a carefully tuned stimulation.
- * I am still not sure the forcing effort to escape from the period is actually making me happy or not in my last days.



But wait! Even a simple crystal growth can be more complex.

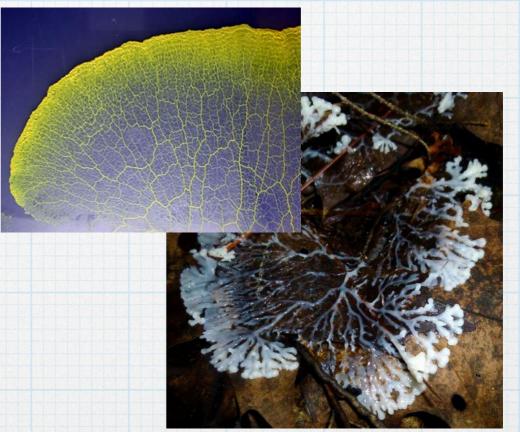
- ◎ 作業パタンレコーダ[ki 1167]
- 制御された並列性[ki 2897]

I want to think like an amoeba growth without focusing on a special path!



The 'light cone' of a cellular space.

is simple because the 'background' is simple.

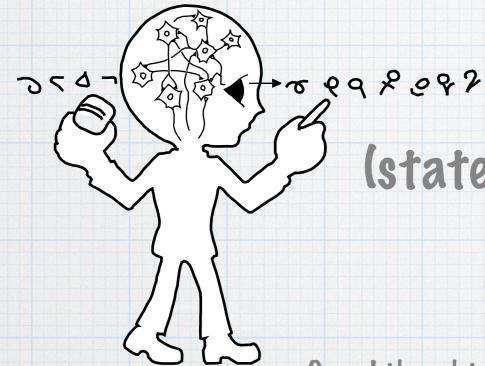


The shape of the wave front of amoeba growth.

† is complex because the 'background' is complex.

'Fairness' of the 'background.'

Turing Machine

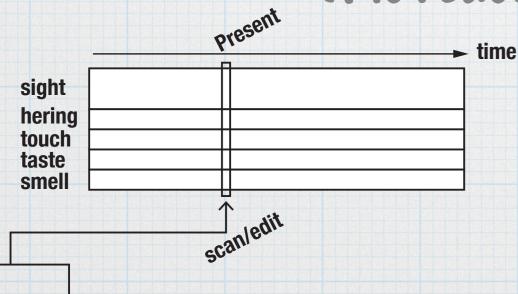


(state, symbol) -> (state, symbol, action)

action = left or right move

Once I thought it is too simple for a model of thinking, but now I think...

It is reasonable as a model of thinking:

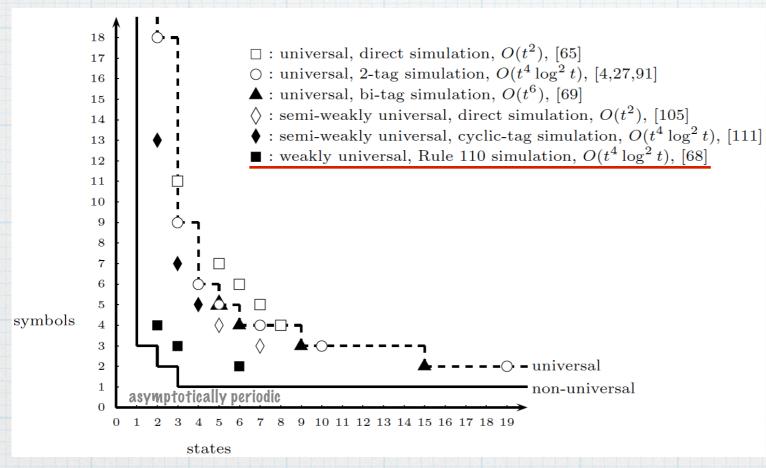


Dementia can be regarded as

- * Scanning area will be shrinking.
- * Errors in each part will be increasing.

Universal Juring Nachine

A Turing machine which computes anything.



Woods, Neary 2011

Weakly universal: with an infinite asymptotically periodic input.

Although the sizes of memory (state) and scanning information at a time (symbol) are small, it is possible to compute anything employing a proper encoding and infinite periodic input of data.

The definition of brain death might be changed in future...

Thinking in a weakly universal manner.

A 'cane' = a knowledge home + an asymptotically periodic 'background' as a driving force?

I wake up every morning by the sound of an alarm clock as a periodic background and I have a knowledge that I have to wake up and go to my office when I hear the sound. If I can't remind the knowledge, I need to be informed.

'FES' for thinking

- * Recording one's work process as a network discussed above.
- * Storing the measured data in one's knowledge home.
 recommendation (but a new story is not needed to be made by the system)
- * Show the most proper topic and its 'tuned' neighborhood topics in the data to support the next decision.

Show one's past work processes and make one try to connect the fragments of one's thinking process by oneself.

* The decision should be made by oneself.

'Familiarity' is not lost.

Fairness' of the 'cane.'

My work process (thinking process) is hijacked or not...



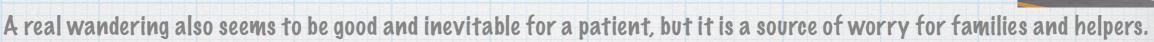
◎ 作業パタンレコーダ[ki 1167]

○ 制御された並列性[ki 2897]

Thinking without serialization

- * Thinking seems to be a serialization of a knowledge subgraph.
- * Dementia first attacks the serialization ability.
- * Recording any clue for finding, creating a new path and showing it is the most important for the system.

 Wandering by a self-driving car? Wandering in a 'programmable house'
- * Wandering (徘徊) is a good effort to cope with dementia.



- * The system should promote "wandering in the graph". Because each wandering path is the projection of a serialized thinking process anyway. Showing some of the recorded paths are useful as a hint when one can't make one's decision.
- * Petect wandering and try to control the degree of the graph to keep one's knowledge home sound.

 cf. brain storming

What I need is a multimodal extension of our mailing list.

I might loose my eyesight.
I might loose my motor function.
I might forget how to read/write.

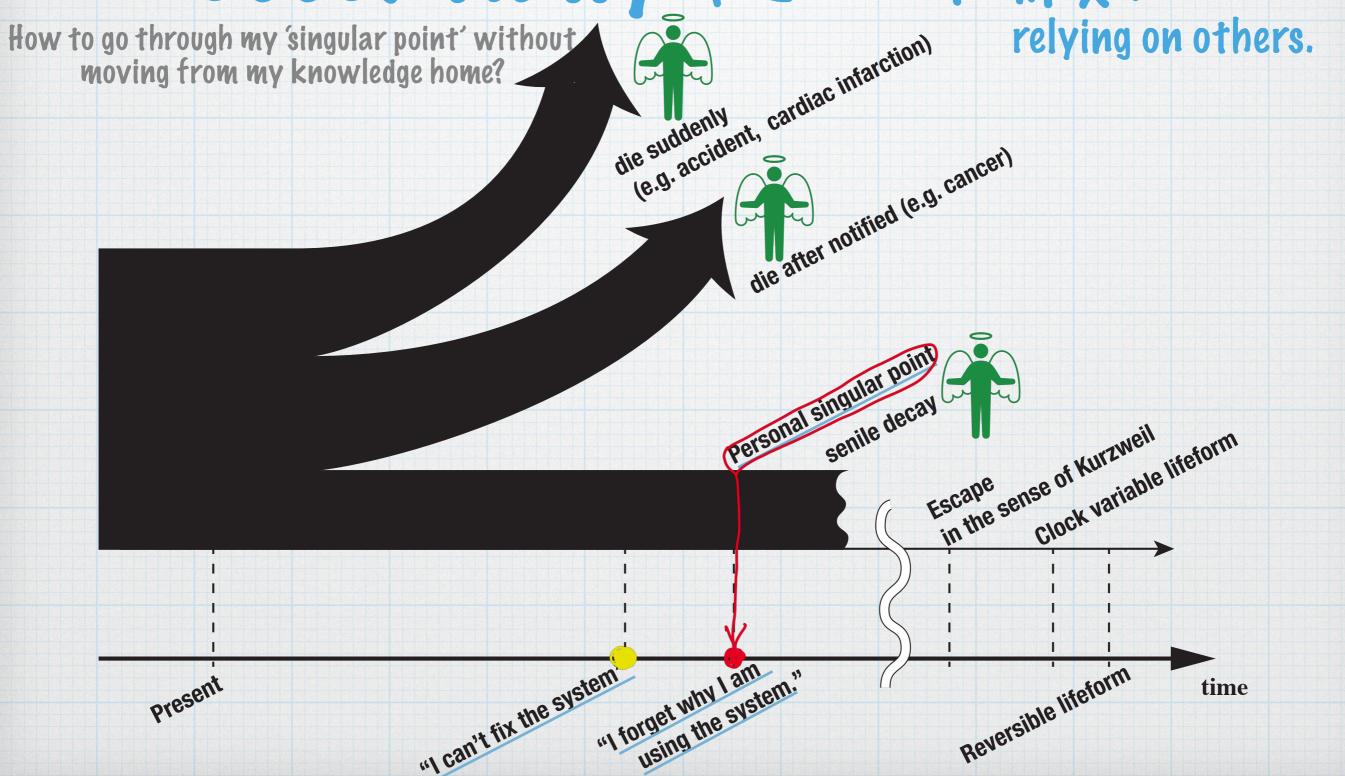


https://1000ya.isis.ne.jp/1628.html



But, not too interference as far as I can do by myself… 頭をひねらずにモノを捜し出せるようになったらおしまい[ki 2626]

But the system must be essentially 代力本原.



炒プレミア ▼ 宅配申込 毎 毎日新聞 ⑥ Q 🗿 毎日新聞 🗿

日曜くらぶ WSJ デジタル毎日スペシャル ソーシャルアクショ 総合

[PR] 外壁塗装はまだするな!平均40万円安くなります

写真 ≡ 写真特集一覧 〉 特殊清掃業 5年間で15倍増 家族関係の希薄化背景に < 2枚目/2枚中 > 2018年5月13日 民間資格の特殊清掃士が在籍する 業者数と高齢者の独居世帯数の推移 特殊清掃士が (万) 在籍する業者数(左目盛り) 750 700 高齢者の独居世帯数 (右目盛り) 650 ※推計 600 550 500 2013 14 15 16 17年 ※事件現場特殊清掃センターと厚生労働省 の資料を基に作成 民間資格の特殊清掃士が在籍する業者数と高齢者の独居世帯数の推移

特殊清掃業 5年間で15倍増 家族関係の希薄化背景に 2018年5月13日 〈 1枚目/2枚中 〉

「メモリーズ」が特殊清掃を請け負った大阪市内の一軒家には、孤独死した住人男性が記したとみられる 張り紙が冷蔵庫の扉に残されていた(同社提供)

た

I thought I would rely on Softbank...

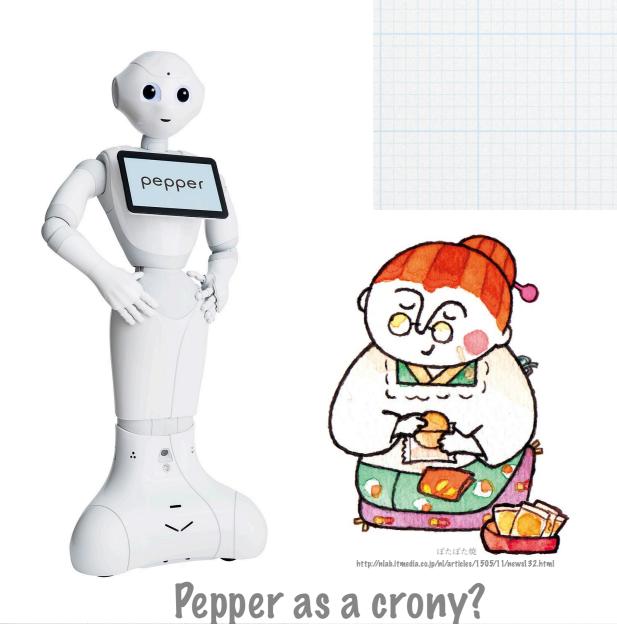
* "Polygons are not sexy."

Jaron Lanier (in a talk with Rudy Rucker)

Sharing times with another human is essentially needed for our life, but we have to avoid bothering helpers.

- * An "Al" can reduce the time of talking with helpers.
- * We are also responsible for reducing the time by our effort.

cf. Minister for Loneliness (UK)



Geeky human project

to be a geek but not a nerd...

人類 額オタク化計画

An isolated (active and even young) geek in 100 years ago without a 'cane'...



漱石のはがき100年ぶり発見=留学中「独リボツチデ淋イヨ」

時事通信 5/23(水) 10:53配信

福井県は23日、文豪夏目漱石が英国留学中、ドイツに留学している友人2人に送った自筆のはがき3通(写真)を発見したと発表した。現物の確認は約100年ぶりという=福井県立こども歴史文化館提供

cf. Minister for Loneliness (UK)

headlines.yahoo.co.jp

I thought I would rely on Softbank...

https://business.nikkeibp.co.jp/atcl/book/15/284212/012000008/





小売り・サービス

総合トップ > 情報・通信 > 孫正義の焦燥

孫正義の焦燥

「ペッパーの夢を見て号泣して目が覚め た」

ソフトバンク・孫正義社長に聞く(上)



大西 孝弘

三 バックナンバー

2016年1月21日(木)













ソフトバンクグループのロボット「ペッパー」が順調に販売を伸ばしている。2015年6 月から毎月1000台を完売している状態だ。2015年末までに累計7000台を販売し、ヒト 型のロボットでは世界最大の販売台数と見られる。生産能力が増えたため、1月末から店 舗やホームページでいつでも購入申し込みができるようになる。

一方、まだ期待ほどの性能に達していないとの声もある。会話を特定のパターンに誘導 することが多く、現状では人間ほどの当意即妙の会話は成り立ちにくい。

そのペッパーは今後、どのような方向に向かうのか。孫正義社長に聞いた。

But after reading this article, I became anxious that 孫-san

might not correctly understand the issue... (朱魚 # す #)

孫『心の部分がないと、24時間一緒に過ごしたくない』

It seems difficult to embed a human mind into Pepper so far.

cf. Polygons are not sexy.

It seems impossible to stay together all day even if Pepper is a human.

So I am now talking to you to find an Al-engineer who has a first-person viewpoint on it...

Losing the ability of recollection and the driving forth of thinking



A patient of early-stage dementia tries to memorize things.
But he lost them or forget watching them.

A patient of advanced dementia loses the motivation of memorize things.

- ◎ 生体計測[ki 2413]
- 監視カメラ[ki 2348]

How to record and exhibit user activities

- * Any passive recording devices is useless.
 - * I will be apt to forget bringing it.
 - * Finally I should forget why I need it.

- ◎ 生体計測[ki 2413]
- 監視カメラ[ki 2348]

position for recording?

ubiquitous and autonomous





Max Headroom (1987)







2001: A Space Odyssey (1968)

- ◎ 生体計測[ki 2413]
- 監視カメラ[ki 2348]

Where is the best position for recording?



www.cyrilabad.com/projects/corporate/a-venir-confidential-project/ 22052016-Aldebaran-Pepper-test4216.jpg

But I do not want it too active as far as I can do daily tasks.



○ いるのにいないふり、いないのにいるふり[ki 1202]

I am not so accustomed to the situation that someone is standing beside my bed.

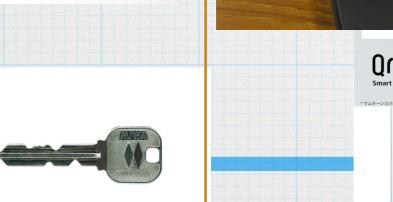
When I forget why the Pepper is here,

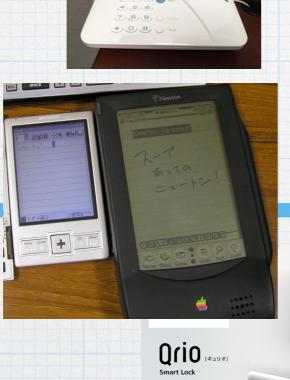
○ media としての oops-ml... (笑) [ki 2622]

ouser interface[ki 2624] ICONS TOY EACH GENERATION are important

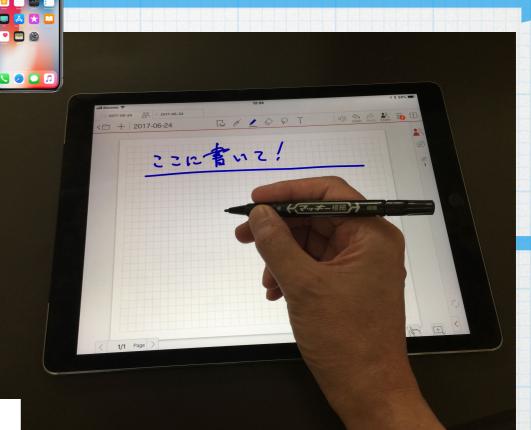
When the stage advances, recent things will be lost one by one.











My memory will be shrinking.

introduced time in one's life

- ◎ 生体計測[ki 2413]
- 監視カメラ[ki 2348]

Not the position of Pepper but that of lighting equipment!

No shadow!



So far I want 'Luxo' style Pepper in my bedroom and on my desk!

cf. AWS Deeplens



In the case of losing my eyesight...

Pixar

- ◎ 生体計測[ki 2413]
- 監視カメラ[ki 2348]

· Naoknawa, Nanoknawa [ki 1202] HOW TO PECOPO While Going Out?

A real wandering also seems to be good and inevitable for a patient, but is is a source of worry for families and helpers.

I have no good idea so far.

* The following candidates may not be helpful so far.

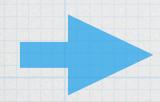




Short-sighted people might have an advantage...



見守りシューズで迷子の高齢者を いち早く発見します!!



Battery issue, misplacing, ... When I forget why I am bringing them



Privacy issue

- * Google failed to introduce the Google glass but Amazon so far successfully introduces a number of privacy violating services.
- * I want to make a contract with an IT company which will be the 'driving force' of my thinking.
- * This will cause a serious privacy problem.
- * But I would face to a more serious one with health care workers if I were not to ask it to any IT company in advance.

The future after consigning my soul'... paradise or nightmare?

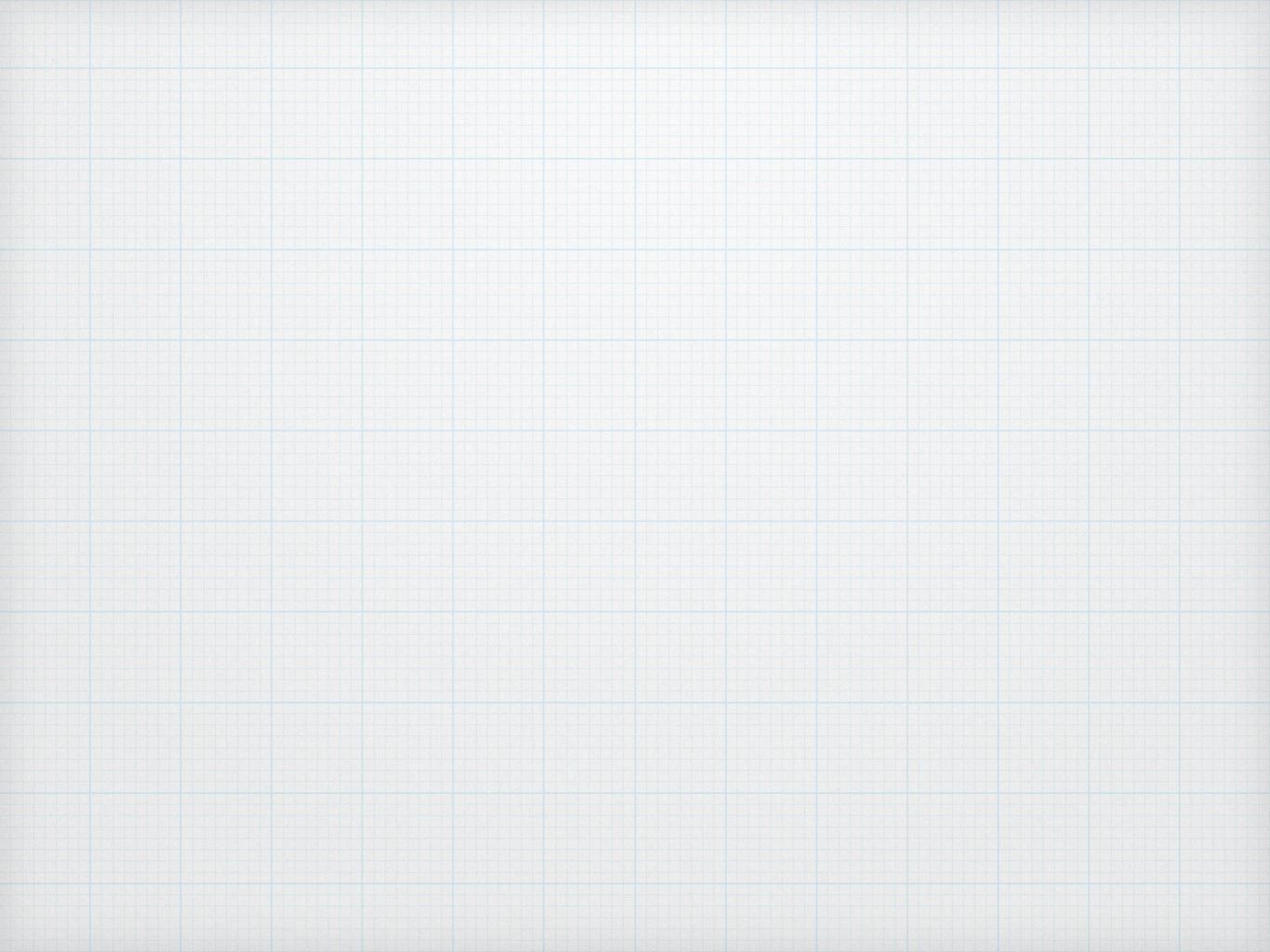
* Poes doping a periodic background (with my finite network) help to reduce my fear of the future?

Moreover

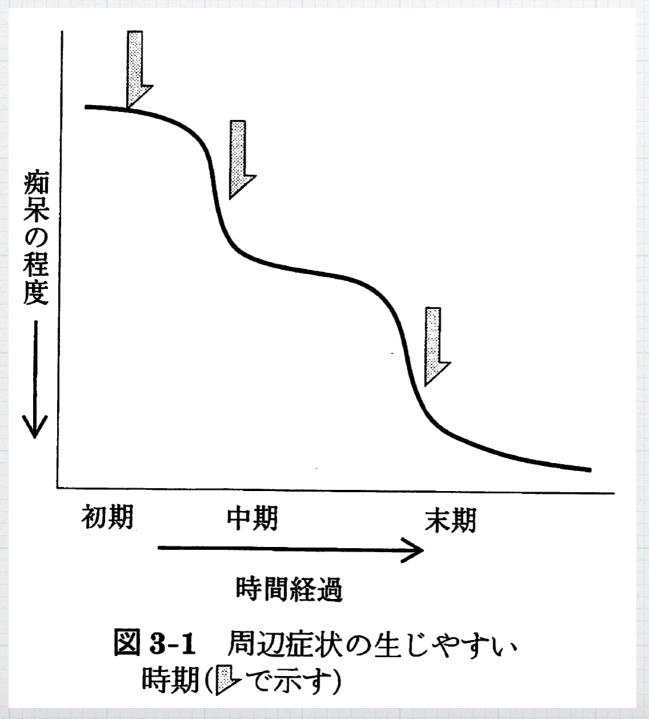
* Switching my thinking context by a periodic background might be a doorway to my new time sharing 'Nondeterministic' Life...

Any questions?

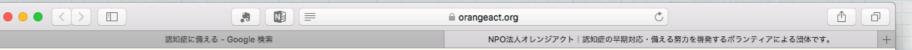
- * Questions and suggestions for practical techniques are welcome!
- * Philosophical and privacy related questions: at a pub in the evening!



Petection and palliation of Behavioral and Psychological Symptoms of Pementia (BPSP)



小澤「痴呆を生きるということ」



NPO法人オレンジアクトは、認知症の早期対応・備える努力を啓発するボランティアによる団体です



認知症に備える努力 –



あなたにもできる オレンジアクト



○ 会員ログイン ○ お問い合せ

TOP > 活動内容 > 認知症に備える努力

認知症に備える努力

認知症になったとしても明るく暮らしていける

認知症はよく「治らない」「怖い」「なってしまったら最後だ」といったような 声を聞きます。しかし、認知症になったとしてもそれが即時、徘徊などの問題行 動を引き落こすわけではなくまた、感情を失い、人間としての尊厳までもが失わ れてしまうという事ではありません。認知症になった後でも多くの方が笑顔で暮 らしています。

認知症は100歳に近づくにつれ、誰にでも起こりうる現象であり、過度に恐れ ず、地震と同じようにいつか来るかもしれないものとして備えることが重要で す。





Tweets by @orangeact

オレンジアクト

@orangeact

啓発活動会員ページを公開しまし

オレンジアクト G79 AIUGIね ACの数

「いいね!」した友達はまだいません

オレンジアクト

昨日1/21(日)、大田区池上会館にて「認知症への

備えを考えるシンポジウム」を開催しました。150

名を超える多職種の方々にご参加いただき、お陰様

■ このページに「いいね!」

た。orangeact.org/evangelist.html 啓発活動会員は認知症に備えない事で困ることが

ないように、複雑な認知症の知識を中立性をもっ て伝える人です。オレンジアクトは啓発活動会員 が地域の認知症ネットワークの中心になることを 目指しています。

○ [→

Jun 27, 2016

ルシェア

f

Embed

View on Twitter

認知症の備え

認知症に備えるには3つの視点での備えが必要です

イ倫理的備え

意思表示



🅋 社会的備え

住環境 地域ネットワーク いきがい



生活習慣予防 医療環境



■倫理的備え (意思表示の備え)

認知症になると判断能力が低下してしまいます。それ は、詐欺やトラブルに巻き込まれやすいことにつながり ます。また、判断が低下していると考えられれば自分の 意思決定が尊重されないことにつながります。

認知症になる前に、老後における自身の生活のための意









私たちオレンジアクトは

募集しています

啓発活動会員は 認知症に備える伝道者です

TE

リクルートでAI研究所を立ち上げた石山氏が退職して取り組むのは「介護xAI」のスタートアップ

2017年5月09日 by **Ken Nishimura (@knsmr**)

2174 List

シェア 🍏 ツイート

B! はてな



リクルートでAI研究機関「RIT(Recruit Institute of Technology)」を立ち上げたことで知られ、山洸氏が2017年3月に退職し、ベンチャー企業のデジタルセンセーションにジョインしたことを TechCrunch Japanの取材の中で明らかにした。新たに取り組むのは認知症ケアの領域でAIを活用る、という課題だ。



トピックス イベント CrunchBase

トレンド Facebook

オッサン2人でやるとグッと来るが介護技法「ユマニチュード」はあたたかい

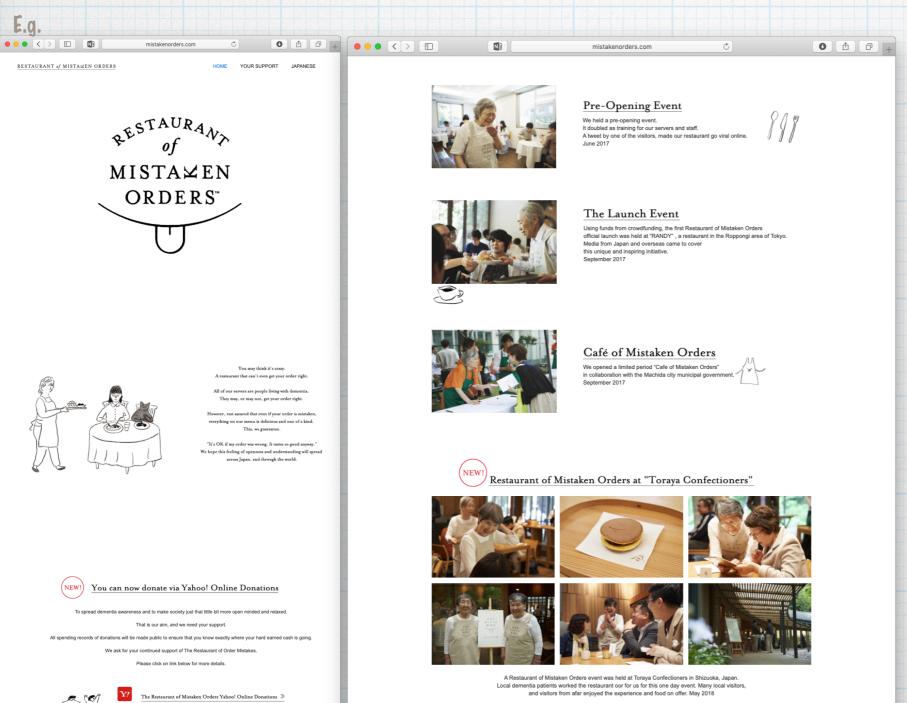
石山氏は東工大の大学院生だった頃から一貫して、「AIを社会課題に適用すること」をテーマた。ただ、研究よりも実践をと社会との接点の多いリクルートに入社。「リクルートは結婚、職、引っ越しなど人生の節目節目で重要なところに関わっていて、関連する資産を持っていま



ユマニチュードの研修の様子(写真提供:デジタルセンセーション)

誰もが介護の当事者という時代、ユマニチュードを一般家庭に

An event might gain the motivation of living, but...



But..., how to survive the remaining 364 days.









The Restaurant of Mistaken Orders Yahoo! Online Don



How many days until Christmas? Santa says 30 sleeps!



Pre-Opening Event





The Launch Event



Café of Mistaken Orders





Restaurant of Mistaken Orders at "Toraya Confectioners"













Local dementia patients worked the restaurant oor for us for this one day event. Many local visitors and visitors from afar enjoyed the experience and food on offer. May 2018

It is also desirable to prepare 'events' to gain my motivation by myself.

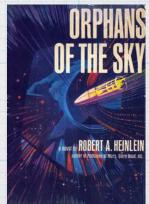
How to prepare and notify each 'present' in my future?

Finally I will forget the 'Santa' is me.

As a researcher of biometrics, I would like to inspect the progression of my dementia and/or senile decay. How to make me analyze my data in future?

This will be an amazing adventure!





http://www.mistakenorders.com

cf. https://en.wikipedia.org/wiki/Orphans of the Skv



Therapeutic Robot



IOME PHOTO C

PHOTO GALLERY

TRAINING

VIDEOS

RESEARCH PAPERS | PRESS RELEASES

MAINTENANCE

US USERS

CONTACT

PARO Therapeutic Robot

PARO is an advanced interactive robot developed by AIST, a leading Japanese industrial automation pioneer. It allows the documented benefits of animal therapy to be administered to patients in environments such as hospitals and extended care facilities where live animals present treatment or logistical difficulties.

- · PARO has been found to reduce patient stress and their caregivers
- PARO stimulates interaction between patients and caregivers
- PARO has been shown to have a Psychological effect on patients, improving thier relaxation and motivation
- PARO improves the socialization of patients with each other and with caregivers
- · World's Most Therapeutic Robot certified by Guinness World Records

PARO is the 8th generation of a design that has been in use in Japan and throughout Europe since 2003.

PARO has five kinds of sensors: tactile, light, audition, temperature, and posture sensors, with which it can perceive people and its environment. With the light sensor, PARO can recognize light and dark. He feels being stroked and beaten by tactile sensor, or being held by the posture sensor. PARO can also recognize the direction of voice and words such as its name, greetings, and praise with its audio sensor.

PARO can learn to behave in a way that the user prefers, and to respond to its new name. For example, if you stroke it every time you touch it, PARO will remember your previous action and try to repeat that action to be stroked. If you hit it, PARO remembers its previous action and tries not to do that action.

By interaction with people, PARO responds as if it is alive, moving its head and legs, making sounds, and showing your preferred behavior. PARO also imitates the voice of a real baby harp seal.

PARO-Certification Classes Available

PARO-Certification Classes by Prof. Sandra Petersen, DNP, APRN, FNP/GNP-BC, PMHNP-BE, FAANP University of Texas at Tyler (spetersen@uttyler.edu)

PARO-Certification Classes by Randy Griffin RN MS HNC

PARO-Certification Classes by Corey Tague, Licensed Robot Therapist

PARO In The Scientific Literature

Changing the Culture for Dementia Care by Randy Griffin RN MS HNC

An innovative new book prescribing the path to a better way of life for people with Alzheimer's disease and other forms of dementia. Written by Randy L. Griffin, a recognized expert in the field of dementia care.

PARO Around The World

Germany: Beziehungen pflegen UG

Multimedia Features

camhThe Healing Effects Of A White Seal



KALW Robotic Seals Comfort Dementia



The Star Robot Gets Seal Of Approval



CBS
Obama Test Drives Japanese Technology



New York Times
A Soft Spot for Circuitry



PARO is widely accepted by many care workers. It seems quite useful for both patients and care workers.

I might be willing to play with PARO every day in future, but I am just wondering that the developer of PARO actually want to play with it in their old age?

There are many levels and variations of toys for each age of children. I believe there should be many levels and variations to my 'toys' of my old age.

The viewpoint is how to control the complexity of 'toys.'

http://www.parorobots.com

https://www.jstage.jst.go.jp/article/johokanri/60/4/60_217/_html/-char/ja

2018.5.22

中国「一人っ子政策」が招いた親と子の苛酷な現実

王青:日中福祉プランニング代表 🛨

▶バックナンバー一覧へ

















「中国全国撮影コンテスト」で賞を取り、中国のメディアやSNSで話題になっている河北省の張審軍さんの作品

中国政府は長年「一人っ子」政策を続けていたが、その結果、親の介護などの問題に直面する人が増 え、社会問題化している。中国の経済は発展しているが、晩婚化・非婚化、少子高齢化が進展。かつて の「一人っ子」政策が原因となって生じている、さまざまな現実を解説する。(日中福祉プランニング 代表 王青)

速報 スポーツ パラスポーツ エンタメ ライフ 地方 100歳時代 ホーム からだ 学術・アート 本 将棋 くらし トラベル 教育 囲碁 科学 皇室 環境

あなたの家族は大丈夫?依存症は病気です/政府広報 [PR]

2018.4.4 14:00

文字の大きさ 小 中 大 一 印刷

認知症発症を公表、長谷川和夫医師に聞く 患者だからこそ分か る「生」の尊さ

ツツイート

反応

f シェア 2,503



おすすめ記事を受け取る

(1/3ページ)



認知症であることを公表し、「一日一日を 大切に生きていく」と話す長谷川和夫医師 (飯田英男撮影)

高齢化の進行に伴い、認知症を発症する人 は7年後に700万人、高齢者の5人に1人 に上ると予測されている。そうした中、認知 症医療の第一人者で、昭和49年に認知症を 鑑別する「長谷川式簡易知能評価スケール (長谷川式認知症スケール)」を開発した医 師の長谷川和夫さん(89)が昨年、自らの 認知症を公表した。発症後に感じたこと、伝 えたいことなどを聞いた。(聞き手 加納裕

消えていく

7秒の記憶と生きる

2017春

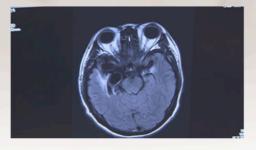


ナレーション 俳優 鈴木浩介

【放送】2017年3月12日(日)深夜1時35分~2時30分

7秒後には『今』起きていることを忘れてしまう・・・そんな 世界を想像できるでしょうか?





7秒前の記憶が次々に消えていく、そんな病と向き合いながら生きる、三重県の水田順子さん(48)を4年間追い続けたドキュメンタリー番組です。

去年5月、第一弾として「消えていく今~7秒の記憶と生きる~」を放送し、ドキュメンタリー番組のコンクール「地方の時代映像祭」で選奨を受賞しました。その後も1年近く水田さんを追い続け、今回は第二弾となります。





水田さんは10年前、ヘルペス脳炎を発症し、7秒ほどしか記憶することが出来なくなりました。いつでも、どこでも、出来事や友人との会話、相手

Sleep Medicine 11 (2010) 586-588



Contents lists available at ScienceDirect

Sleep Medicine

journal homepage: www.elsevier.com/locate/sleep



Historical Issues in Sleep Medicine

Did Immanuel Kant have dementia with Lewy bodies and REM behavior disorder?

Marcelo Miranda a,*, Andrea Slachevsky b, Diego Garcia-Borreguero c

ARTICLE INFO

Article history: Received 1 February 2010 Received in revised form 5 March 2010 Accepted 10 March 2010 Available online 6 May 2010

Kant Neurologic disorder Parasomnia REM behavior disorder Dementia with Lewy bodies History of medicine

Keywords:

ABSTRACT

Immanuel Kant, one of the most brilliant minds of the XVIII century and of western philosophy, suffered from dementia in his late years. Based on the analysis of testimonies of his close friends, in this report we describe his neurological disorder which, after 8 years of evolution, led to his death. His cognitive decline was strongly associated with a parasomnia compatible with a severe rapid eye movement (REM) behavior disorder (RBD) and dementia with Lewy bodies.

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^a Department of Neurology, Clinica Las Condes, Chile

^b Faculty of Medicine, University of Chile, Chile

^cSleep Research Institute, Madrid, Spain

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Volume 27, Issue 1 January 2015

Article Contents

Abstract

RESEARCH HIGHLIGHTS

- 1. INTRODUCTION
- 2. DEVELOPMENT OF THE PERSONAL EVALUATION GAME METHOD
- 3. THE PERSONAL EVALUATION GAME
- 4. METHODOLOGY
- 5. FINDINGS
- 6. DISCUSSION

Funding

Acknowledgement

References

Seeing the First-Person Perspective in Dementia: A Qualitative Personal Evaluation Game to Evaluate Assistive Technology for People Affected by Dementia in the Home Context

Sandra Suijkerbuijk, Rens Brankaert ⋈, Yvonne A.W. de Kort, Liselore J.A.E. Snaphaan, Elke den Ouden Author Notes

Interacting with Computers, Volume 27, Issue 1, 1 January 2015, Pages 47–59, https://doi.org/10.1093/iwc/iwu038

Published: 26 October 2014 Article history ▼

■ Split View

PDF

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Abstract

The number of people with dementia is increasing rapidly. As a result, care has to be extended towards the home context. This increases the burden on both informal caregivers and persons affected by dementia. To support these people more effectively, technology could play an important role. However, it proves to be challenging to involve them in user-centred research with this purpose. Therefore, there is a need for more research approaches that gather first-hand experiences with technology from people with dementia directly. This research presents a personal evaluation game method, used in the home context to study assistive technology as experienced by its users. In parallel, a questionnaire was applied to explore the difference in data and experiences between both methods. In the study, 12 households participated, each with a person diagnosed with dementia and a partner still living with them as their informal caregiver. During a period of 3 weeks, participants experienced a dynamic lighting armature designed to improve the sleep—wake cycle and





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Outline

Highlights

Abstract

Keywords

Introduction

Background and scope of this study

Method

Discussion of results

Limitations

Conclusion

Acknowledgements

Appendix A. – List of original and generalized statements

References

Show full outline 🗸

Figures (3)







Tables (4)

Table 2

Table A2

Table A1

Health Policy and Technology

Volume 7, Issue 1, March 2018, Pages 98-111



Literature Review

Assistive technology for independent living with dementia: Stylized facts and research gaps

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Highlights

- Privacy is important but may be overruled by other social values.
- · Participatory design is essential during the development stage.
- Assistive Technology significantly support the work of caregivers.
- The social dimension of Assistive Technology requires more exploration.
- Evidence of utility and cost effectiveness of Assistive Technology can be demonstrated in different contexts.

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Abstract

Background

Recent advancement in assistive technologies (AT) have fueled the debate on new, IT-reliant ways of providing cure and care of dementia. Still the impact on practice has been little. With this paper, we want to find out to which extent current studies have discussed the impacts of AT for dementia.

Methods

We conduct a scoping review of the literature on impacts of AT usage in the context of dementia. We search disciplinary (ACM, EMBASE, PsycInfo) as well as cross-disciplinary

