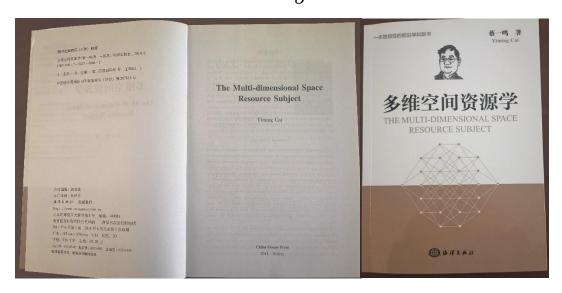
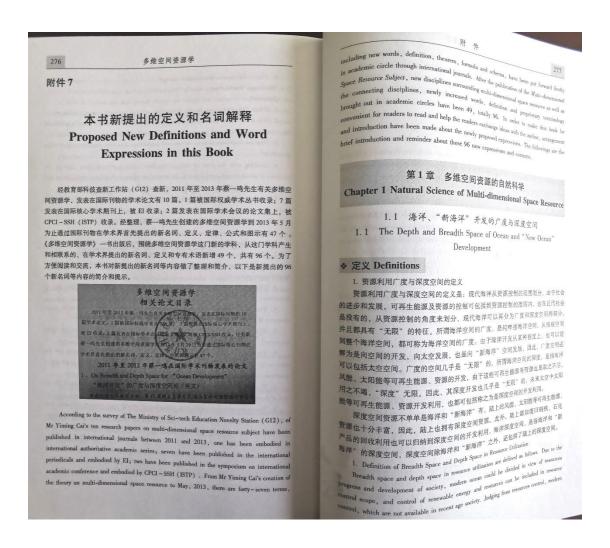
# Proposed New Definitions and Word Expressions in this Book Yiming Cai



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Depth space resources do not only exist in ocean and "new ocean", wind energy, solar argy and other renewable resources on land are also very rich. Therefore, land also has depth space resources. In addition, recycling and re-use of scrap iron and steel, petrochemical depth space of ocean and "new ocean", while depth space also included the depth space on land, in addition to that of ocean and "new ocean".

#### ❖ 名词解释和名词 Term Definitions

海洋空间的广度,是纯粹指海洋空间,从微观空间到整个海洋空间,都可称为海 洋空间的广度。广度是取其"横向"延伸的意义,这里的广度是单纯指海洋微观空间 到整个海洋空间"横向"的广度空间。也可以这样理解,海洋的广度空间是"平面 '一条线"上的延伸。

1. Breadth Space of Ocean

The breadth space of ocean merely refers to the ocean space. From microscopic space to the entire ocean space all can be called the breadth of ocean space. Breadth is used in its "horizontal" extension which here simply means that the breadth of space between microscopic sace and the entire ocean space. It also can be understood like that the breadth of ocean space is "planimetric", extending on "a line".

"新海洋"——太空

走向海洋是走向更广阔的发展空间,走向太空也是走向更广阔的发展空间,从这 一意义上来解释,太空是"新海洋"空间的延伸。

New Ocean" —Outer Space

Marching toward ocean is toward wider development space and it is the same with hand time opened that it is sense, the outer space is the extension of "new 3. 海洋的深度空间

深度是取其 "纵问" 及臨时進义,在海岸空间的广发上,他多量不断空景 "变" 的可再生、可循环能源等资源开发可以在"纵向" "是" "新海洋" 在能源等资源开发可以在"纵向" "是"上他多量、不断"延伸",在据深度的空间。

 Depth Space.
 Depth is used in its "vertical" exploration. On the breakh of the secons space, the
 A recyclable energy and other resources, which can be secons space, the pepth is used.

The interest of the reconstruction of the reconstr renewable and new ocean's controlling intensit, or decloping energ and other called the depth space of ocean's controlling intensit, or decloping energ and other called the depth space of ocean's can be restricted. called the deput of new ocean" can be continued the developing energy and other continued to the continued to the logistical of the continued to the continued direction", "points" and can "copy" digging depth space.

4. "新海洋"太空的深度空间

4. Depth Space of "New Ocean" -Outer Space

5. 广度空间与深度空间的区别和特征

5. Differences and Characteristics of Breadth Space and Depth Space

6. 和谐海洋环境的新解释

6. New Definition of Harmonious Ocean Environ

#### ◆ 图表示意 Diagram

1. 海洋、"新海洋"广度及深度空间关系示意图(图1.1.1)

1. The Diagram of Spatial Relationships between Breadth and Depth Space of Ocean and New Ocean" (Figure 1.1.1)

## 1.2 深度空间资源的物质形态及性质

1. 2 Material Form and Nature of Depth Space Resources

## ❖ 名词解释 Term Definitions

1. 深度空间能源等资源的物质形态及性质

↑ 点的不断利用和做功是深度空间资源利用物质形态的最基本性度之一。在一个点的不断利用和做功是深度空间资源利用物质形态的最基本性度之一。在一个点的不断利用和做功是深度空间资源利用物质形态的最高和 个点上利用自然生态 "路过"的能量完成模功。这一世质决定了保度空间资源利用的 自然属性。

自然属性,保持了自然世界物质运动的平衡。

风能、潮汐、海液、海流、宇宙射线等自然"力"点的能量交换为属于恢复空间

等了自然世界物质运动的平衡。而可再生资源的点与点的循环则是通过B收取利用保持了自然世界物质运动的平衡。而可再生资源的点与点的循环则是通过B收取利用保

持了自然世界物质运动的平衡。

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## 多维空间资源学

1. Material Form and Nature of Depth Space Energy and Other Resources

 statemat Form and Nature of Deput Space concept
 Constantly using and working at one point is one of the basic natures of material form utilization by depth space resources. Generally, through "passing by" that point, depth space resources can get work done. And this property not only determines the nature of depth space resource utilization but also keeps the balance of matter motion in natural world.

Energy exchange among points of wind energy, tidal energy, ocean waves, ocean ie rays and other natural "power" belongs to depth space resources

Through absorption and emission of chemical substances by plant energy and other surces, the utilization at one point of depth space plants maintains the balance of motion of atter in natural world. The circulation from point to point of renewable resources achieves

人类利用能源等资源一个点的不断利用和做功是深度空间资源的最基本特征。深 度空间仅是点的能量交换,不发生与广度空间其他物质横向的、广泛的化学反应。除 太阳能、风能之外,潮汐能、海液能、海流能、宇宙射线等深度空间资源都具有一个 点的不断利用和做功的特征。

2. The Most Basic Characteristics of Depth Space Resources

The continuous utilization and work at a point of resources is the most important feature of depth space resources. In depth space, there are only energy changes among points but no horizontal and wide chemical reactions with other materials in breadth space. In addition to solar energy and wind energy, tidal energy, wave energy, current energy, cosmic rays and other depth space resources all have characteristics of continuous utilization and work at one

3. 深度空间资源生物质与植物类"点"的作用公式和定律的关系

深度空间生物质资源"点"的作用讲的主要是指能源植物类深度空间资源,而深 度空间资源其他植物类,主要是指粮食、含其他有色金属等资源成分的植物。深度空 间生物质资源包括的内容比深度空间资源植物类包括的内容要广,它除了指为生产能 源而种植的能源作物、农林产品、水生植物、农业废弃物之外;还包括农林产品加工 业废弃物、薪柴、人畜粪便、城镇生活垃圾等。深度空间生物质资源"点"的利用规 律与深度空间植物类贤贤"点"的利用规律,其实并无性质上的根本区别,因此,深 度空间生物质资源"点"的作用公式和定律、与深度空间资源植物类"点"的作用公 式和定律为同一个公式和定律。

3. The Relationships of Acting Formulas and Laws between Depth Space Res ating Material "Points" and Plant Type "Points"

The role of depth space creating material "points" mainly refers to depth space resource of The rose in separation of the plants of depth space resource mainly refers to grain and other nons metal-containing plants. Depth space creating material resource has a wider so that of depth space plant type. It refers to not only energy crops, agricultural and forestry

products, water plants and agricultural wastes for energy production, but slow agricultural waste, fuel wood, similar value and whose substantial waste and whose laws agricultural waste for energy production, but shows a function of the substantial waste for energy production, but shows a function of the substantial waste for energy production, but shows a function of the substantial waste for energy production, but shows a function of the substantial waste for energy production, but shows a function of the substantial waste for energy production, but shows a function of the substantial waste for energy production and the substantial waste for energy production products, water plants and agricultural voids for energy production, but also agricultural voids for energy products processing industry waste, fuel wood, salmal voids and supercharacteristics of the state of the product processing muony mance, use word, animal water and shall product the is no fundamental difference between the name and shall have been also and of depth queet and "points" and plant type "points" utilization laws. Actually there is no numerone universe between the name of depth space recognition of the property of the prop

## 《公式和定律 Formula and Law

1. 深度空间资源点的作用公式

公式一:

N代表自然世界;

D<sub>1</sub> 代表太阳能等深度空间资源;

Δ, 代表一个点的做功和延伸。

 $N \longrightarrow D_1 \xrightarrow{A_1} N$ 

1. Acting formula at one point of depth space resources:

N stands for natural world;

D, stands for solar energy and other depth space resource

41 stands for the work and extension at one point.  $N \longrightarrow D_1 \xrightarrow{\Delta_1} N$ 

如果用语言述说,这一公式的内容也可以这样表达。N代表自然世界、D1代表太 **阳能等深度空间资源、△1 代表在自然状态下**,利用自然界自然产生的能量。在一个点 的直接做功和延伸,经过点的做功 N 又迅速回复到自然状态。从 N 到 N,是过 Di 点的 做功,自然生态两者之间的关系是平衡的。

In words, this formula can be expressed as follows: N stands for natural world:  $D_i$  stands for solar energy and other depth space resources; \( \Delta\_1 \) stands for, under natural conclusions energy produced in nature directly work and extend at one point, after work at one point. returns to natural condition quickly. From N to N, after work at paint D<sub>1</sub>, relation belo ecology is balanced.

深度空间實踐利用的定律一 深度空间资源利用的定律一是,在自然界利用自然产生的能量。在一个点上显得 和亚血 2. 深度空间资源利用的定律一

做功和延星间资源利用的定律一是,在自然界利用日配 助和延伸,但不改变产生做功能量自然属性的本身的能质结构。

2. The Law 2 of Depth Space Resources Unlication It can also be expressed by law. The Law 1 applied by depth space resons.

We prove that the space of the spa To generated in natural world to work and extend at one point directly let dies not change.

oce structure of natural nature of working energy

3. 深度空间生物质资源"点"的作用公式

N代表资源利用前自然世界;

$$N_2 \to D_2 \xrightarrow{\Delta_2} N_2$$
3. Acting Formula of "Point" of Depth Space Material Resources

N stands for the natural world before resource utilization;

algae and other productive depth space resources;

 $\Delta_2$  stands for the reasonable time period of work;

 $N_2$ stands for the natural world after resources recovery from utilization.

$$N \longrightarrow D_2 \xrightarrow{\Delta_2} N_2$$
 (2)

(2)

N代表自然世界,经过植物型资源利用 $D_1$ ,到资源利用的化学式做功 $\Delta_2$ ,并经过 点循环恢复的合理时间段,取得与自然生态两者之间关系的平衡。因此,最终从 N 到 N<sub>2</sub> 自然生态之间的两者关系是平衡的。

N stands for natural world, from plant resources utilization  $D_2$  to chemical wo arces utilization  $\Delta_2$  and after the reasonable time period of point circulation recovery, obtain a balance between nature and ecology. Eventually, the relation between N and  $N_2$  is balanced. 4. 深度空间生物质资源利用的定律二

深度空间生物质资源利用的定律二是,利用资源"点"的做功和延伸,并再经过 资源"点"循环恢复的合理时间段,取得利用资源与自然生态两者之间关系的平衡。

4. The Law 2 of Depth Space Resources Utilization

The Law 2 of depth space resources utilization is: using the work and extension of resources "point" and then after a reasonable time period of resources "point" circulation very, balance is obtained between resources utilization and natural ecology.

## ❖ 图表示意 Diagram

广度与深度空间三维示意图(图 1.2.1)

anal diagram of breadth and depth space (Figure 1, 2, 1)

1.3 深度空间理论时间概念的定义

1.3 Definition of Time Concept of Depth Space Theory

## ❖ 定义 Definitions

1. 深度空间理论时间概念的定义

1. 深度空间環定时间概念的逆义 深度空间资源时间概念。陈述了深度空间资源不同时间投的不同状态。引进了利用 资源过避中联系时间概念的理解。包括了能源等资源在循环状态下一种带有时间概念的

分析和界定。深度空间资源 "点"的时间概念,是指大田能等能源较落在一个点上的概念,是指大田能等能源较落在一个点上的概念,是指植物型较高占领在Mandadora 分析和界定。深度空间交响。 尽 的时间联念,是指大阳能等能源页源在一个点上的原则 做劝和延伸。而"点循环"的时间联念,是指地等股票直循环的时间联念,从上和地等股票或指挥的时间联念 这一时 回磁功和延伸。III 2019年10晚念,是指他的型资源点落环的时间聚企一个点上的原间概念涵盖了对于人类利用植物型资源,对生存环境产生影响的原念。这一时间概念涵盖了对于人类和的时间概念,是指人类社会对房馆。2019年10年10年10日间 回概念涵盖」为 7 入之。 2 元 元 5 元 元 5 元 元 5 元 元 5 元 元 5 元 元 5 元 元 5 元 元 5 元

附件

目。 能源等资源深度空间线律的发现和提出,其最有设置力的论证是。深度空间能源 可用是在一个点做功和延伸的过程中,不两两点。 能讓等致。 等廣源的利用是在一个点做功和延伸的过程中,不改变或吸激转影响自然环境。 等廣源的利用是在一个点做功和延伸的过程中,不改变或吸激转影响自然环境。 不成变或吸激转影响自然环境。 就是只是会调时间取效吸激转影响自然环境。 不 等资源的利用。 对自然环境产生化学结构的影响,或是只是合理时间设的影响,在合理时间设定标准。 对自然环境产生化学结构的影响,或是只是合理时间设的影响,在合理时间设定标题

1. Time Conception of Depth Space Theory

The Time conception of Depth Space Theory, which points out different states of depth space resource at different time periods and introduces the understanding with time on space resource understanding with time conception during the process of resource utilization, contains the analysis and delimitation with the time conception under the condition of circulation. The time concept of depth space rerefers to instantaneous work and extension at one point by solar energy and other e resources. And the time concept of time-point circulation of plant type resource, which covers all plant type resource - using by human, is reasonable time period that impacts on living environment. The time concept of resource circulation of point-to-point refers to recycling stee scrap, waste glass and other renewable resources by human society.

For discovery and proposal of energy and resources depth space laws, the most convincing argument is that utilization of depth space energy and other resources during work and extension at one point does not change or slightly affects natural environment which has no chemicalstructure influence on natural environment or just has influence for a reasonable time period, after which it will return to natural condition.

#### ◆ 名词解释和名词 Term Definitions

深度空间资源点的时间概念是利用自然界自然产生约力,直接被办。是直接、按

速的, 也是最清洁的。

1. Time Conception of Point

The time concept of depth space resource point refers to the work derestly by the natural

power. It is the most speedy and sanitary.

城鎮环的时间概念 課度空间植物型资源利用点循环的时间概念是指组装型资源在其一生中通过对二 课度空间植物型资源利用点循环的时间概念是指组装型资源在其一生中通过对二 重要改善等的循环时间过程。 在建空间植物型资源利用点循环的时间概念基措植物型识别在外 化键等化学物质的吸收,经生产被人类利用解放,再吸收再释放的循环制向这里。 物型修饰为如果。 也被等化学物质的吸收,经生产被人类利用释放,再现改善等效如如"生物"的 植物型安徽在吸收、释放的过程中对有主气体和化学物质的吸收和除放几乎是相等的 持了自然排出。 了自然世界的生态平衡,对人类生存不规和自然的影响甚高,植物型资源点循环 同概念。 如其他如此 向时间概念、包括能源植物点循环和其他植物资源点循环等类型。

多维空间资源学

 Time Concept of Point Circulation
 The time concept of depth space resource point circulation of plant type refers to a time ume concept of treput space to a time concept of the plant-like resource absorbs chemicals such as Carbon Dioxide to release energy through human utilization, then the repetition of absorbing and releasing. The toxic gas energy through numan utilization, then the second property through numan utilization, then the second gas and chemicals absorbed and released by the plants nearly stay equivalent and this process helps maintain ecological balance of natural and has few impacts on the living environment of mankind and nature. The plant type of depth space resource is composed of several parts such as the ergy plant and that of non-energy plants.

3. 能源植物"点循环"的时间概念

3. Time Concept of Point Circulation of Plant Type Energy Resources

4. 金属资源植物"点循环"的时间概念

4. Time Concept of Point Circulation of Plant Type Metal Resources

5. 其他资源"点循环"的时间概念

5. Time Concept of Point Circulation of Other Type Resources

6. 点与点循环的时间概念

深度空间点与点资源循环的时间概念是指人类在利用可再生资源(废钢、废玻璃 等)的过程中,利用可再生资源循环使用,减少资源消耗和能耗,并努力在利用过程 中把二氧化碳等有害气体和物质的排放,控制在对人类生活和自然环境无影响或影响 甚微的合理的循环时间段内。

6. Time Concept of Point-to-point Circulation

The time concept of depth space resources point-to-point circulation refers to that during the process of human utilization of renewable resources (scrap steel, waste glass, ect.), human try to reduce the consumption of resource and the emission of CO<sub>2</sub> and other harmful gases, then keep impacts on human life and nature within the limits of sound circulation or

7. 深度空间能源等资源利用的阶段性时间

深度空间能源等资源利用的阶段性时间组合内容有"点"的时间概念、植物类资 裹 "点循环"的时间概念和"点与点"循环的时间概念。它们的重要特征是,在给人 类提供能源等资源的过程中,在自然状态下,利用自然界自然产生的力,在一个点的 直接做功和延伸。植物类点循环的时间概念和点与点资源循环的时间概念是建立在循 资源循环过程中不对人类生活和自然世界产生负面影响为前提的。

7. Utilization Stage of Depth Space Energy and Other Ro

7. Ultranson conject of utilization stage period of depth space energy and other research have time concepts of "point", "point circulation" of plant resources and "point-to-point" circulation. Their key characteristics are as follows. During process of providing energy and then key summer than a surpose. During process of providing envises to human, under natural conditions, the resources use the energy generated by inter resources use the energy generatural world to work and extend directly at one point; maintain ecological balance; while the

inge concept of plant point circulation and that of point-to-point resources circulation are based a reasonable time period during which circulation process because reasonable time period during which circulation process because time concept of putting point and that of point-to-point resources circulation are in the reasonable time period during which circulation process leave no prestive influence on the premise than on the reasonable under the control of the president that energy and other reasonable under the control of the reasonable under the control of the contro

一个点做功时间段,植物类点循环的时间概念和点与点循环的时间概念参养定符 全日田自然之力,直接做功,对环治于影响 1種子。 8. Defining Characteristics of Working Time Range at One Point

8. Deliming at one rough for the working time range at one point, defining characteristics of time concepts of plant point circulation and point-to-point circulation are as follows. Firstly, use natural energy to ont circulation.

ork directly, leaving no influence on environment. Secondly, circulation progress from work back to nature should have no influence on human's living environ

#### 1.4 广度空间资源的物质形态及性质

1. 4 Material Form and Nature of Breadth Space Resources

#### ❖ 名词解释 Term Definitions

1. 广度空间资源

广度空间资源主要是指煤炭、石油和天然气等能源性资源。广度空间资源也包括 铁矿石、铝矿这些污染较小,但却资源有限,相对于深度空间资源并非是在一个"点" 上不断延伸利用的带有"广度"属性的资源。

1. Breadth Space Resources

The breadth space resources mainly refer to coal, petroleum, instant gas and other enresources. Breadth space resources also include iron ore, aluminium or which are less polylumin. polluting but limited. Compared to depth space resources, they do not extend continuously on one "point" but own attributes of "breadth".

使空间资源物质形态及性质的主要特征 一度空间资源的物质形态及性质主要特征是,物度处于相对稳定形成值原状态。 空间中推出 2. 广度空间资源物质形态及性质的主要特征 度空间資源的物质形态及性质主要特征是: 物度於下周均愈起於為 是空间中媒製、石油和天然气等資源在被人类利用之前為於下周均衡量定於為 是空间中媒製、石油和天然气等資源在被人类利用及 是空间中提製、石油和天然气等資源在被人类利用及 是空间中提製 使空间中煤炭、石油和天然气等资源在被人类利用之前形式于用对的电影机工, 使空间中煤炭、石油和天然气等资源在被人类利用发系属于化学能,人类利用煤炭 石油和天然气等资源的能量形态和性质影响,导致了自然环境循环 因油和天然气等资源的能量形态和社类都属于化学能。人类也可能 石油和天然气等资源的能量形态和社类都属于化学能。人类也可能 对于一种,导致了自然环境循环 工作,并改变了这些资源的分子结构。导致了自然环境循环 工作,并改变了这些资源的分子结构。导致了自然环境循环 工作,并改变了这些资源的。

的不平衡,破坏了生态环境。

广度资源空间是"一条线"上的"平面"的不断"差符"。 文教演空间是"一条线"上的"平道"的不断"急呼"。 2. Main Characteristics of Material Form and Nature of Breath space Resources Main Characteristics of Material Form and Nature of breath space resources Main Characteristics of Material Form and Nature of Breasth Space Resources are that Main characteristics of material form and nature of breasth space resources are that

substances are relatively in stable stage or dormant state. Coal, petroleum, natural gas and es are relatively in stable stage or gormant state. Some partial gas an ources of breadth space, before utilization by human, are all in relative stable stage. Energy form and nature of coal, petroleum, natural gas and other resources in breadth spar ical energy. Human utilize coal, petroleum, natural gas, fossil energy and other es and change the molecular structure of these resources, resulting in the unbalance of natural environment cycle and damage to ecology.

neion of "flat surface" on a "line" Breadth resources space is the continuous ext

#### ❖ 定义 Definitions

1. 广度空间资源(化学反应)的定义

广度空间的化学反应是指人类在地球及太空的生活和生产,所排放的废气、废物、 影响地球及太空自然物质正常的化学循环、从而引起地球及部分太空物质世界正常的 化学性的循环变化。

广度空间资源(化学反应)的定义,是针对人类活动,尤其是针对人类在地球及 太空活动、而提出的广度空间资源(化学反应)的定义。

1. Definition of Breadth Space Spaces (Chemical Reactions)

Chemical reactions of breadth space refer to that off gas and waste, emitting by life and oduction of human on Earth and in outer space, could impact on normal chemical cycle of natural substances on Earth and in outer space, and then result in changes of normal chemical cycle of material world on Earth and partly in outer space.

Definition of breadth space reource (chemical reactions) focuses on human activities, ially the human activities on earth and in outer space.

#### 1.5 资源利用的时间模型

1.5 Time Model of Resource Utilization

## ❖ 名词解释和名词 Term Definitions

- 1. 深度空间资源的主要特征
- 1. Main Chors

用所产生的一氧化碳等物质。在地球外部圈层的阶段性时间循环。观察表明,海洋中 的碳锗震量 50 倍于空气中的含量。二氧化碳在表层海水和溪层海水之间的交换是一个 缓慢的过程,表层海水储存二氧化碳的空间比较有限,通过与深层海水的交换储存了 版表的JUNESCO)的数据,世界大洋的水交換周期为2500年。

m Phase Cycle of Breadth Space Res

Short-term phase cycle of breadth space energy and other resources mainly refers to fixe globe of substances as reasonable to fixe Short-term phase cycle to the space energy and other resources makely index to the space energy and other resources makely index to the mankind utilization of breaths space energy and other resources as the space energy and other resources to. ignical circulation in the success supers of the globe of subalgaces as many release to the mankind utilization of breadth space energy and other framerics, therefore the mankind utilization of breadth space energy and other framerics, therefore the many the mankind utilization of breadth space energy and other framerics, therefore the many th from the markind uturzation or occasin space energy and other results. Given the surface layer and deeper layers is also, the capacity is the carbon deposit in occan is 50 times that in air. The exchange of combination shows the surface layer and deeper layers is also, the capacity is the capacity is the capacity in the capacity is the capacity in the capacity in the capacity is the capacity in the capacity in the capacity is the capacity in the capacity in the capacity is the capacity in the carbon deposit in second and some that in an The endange of color disciplinate that the carbon deposit in surface layer and deeper layers is also, the capter is inside for target of sea walers and note turbon finished for target of sea walers and note turbon finished for target of auth deeper layers of sea waters and more early designed to the author district for the capacity is limited for surface. authon dioxide in a marage of sea waters. One cycle of eaching oil and be steed though the changes with deeper layers of sea waters. One cycle of eachings will an for kindrid or UNESCO in 1978. eschanges with decided and the statistics of UNESCO in 1978, the period of weer enhanced and the period of voca enhanced and t

3. 广度空间资源的中期阶段性时间循环

3. 广度空间能源等资源中期阶段性时间循环,主要是指人类广资空间能源等资源中期阶段性时间循环,主要是指人类广资空间能源等资源 用所产生的二氧化碳等物质,与化石能源等资源或录度监影之类物及之间的源, 电影产生的二氧化碳等物质,与化石能源等资源或录度监影之类物及之间的语环。 用所产生的 类的历史比较短,远远不足以见证中期阶段性循环时间,因此,中期阶段计划循环。 人 类的历文上的。 严格地说指的是二氧化碳等物质与化石能源等资源或碳酸盐岩之类的质之间。6番系 这一循环的时间需要几千年至几亿年的时间。这一循环还包含了人为开发和市协会

3. Medium-term Phase Cycle of Breadth Space Resources

The medium-term phase cycle of breadth space energy and other resources mainly refers to the cycle between CO2 and other substances produced in the course of human's locatift space resources utilization and fossil energy and other resources or carbonate rocks, etc. Humm's history is relatively short, far from enough to witness medium-term phase cycle. There strictly speaking, medium – term phase cycle refers to circulation among  $\Omega_1$  and other substances, fossil energy and other resources, some materials like carbonalite and so on. This cycle takes thousands of years to hundreds of millions of years and it includes fatters like human development and interference.

- 4. 广度空间资源的长期阶段性时间循环
- 「**度空间能源等资源长期**阶段性时间循环,是指地球物质的全型循环,
- 4. Long-term Phase Cycle of Breadth Space Resources

The long-term Phase Cycle of Breadth Space neggy and other reso cycle of Earth's subst

- 5. 资源空间的时间模型

- 與建和广度空间资源时间概念的相对比 動影响来说的。深度空间资源利用时间概念是在时间上相对于人类也不是自由介述 于直接做功、因此,在时间上图断了化学物质反应的人类比较不是显然设验 即间连接。推翻。 连接。植物能源等資源点循环的數却和利用。它与現立一量化度等應 化碳等物质相對於

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多维空间资源学

在循环的过程中,人类社会和自然环境在物质循环"内容"和时间上所能容受的 世間外則过程中,人类社会和目為外現在物域開始。 度",即这种循环对于人类生存环境和自然环境的影响控制在一个合理时间段。点 与点的可再生资源的利用。同样是为了节约资源利用。提高资源再利用。减少资源 "释放"的循环时间,减少污染。广度空间能源等资源利用所释放二氧化碳 等物质不断增加的量,对人类生存环境和自然环境的影响,相对于深度空间能源等 资源利用"吸收"和"释放"的循环时间,从广度空间能源等资源利用二氧化碳等 物质排放短期阶段性时间循环几百年至几千年时间,到长期阶段性时间循环地球物 质的循环时间来说,对于人类生存环境影响对时间的等待,都是遥遥无期、没有希 望的等待。绝大部分从宏观上看对于自然来说是正常合理的循环,对于人类的生存 环境来说是不容许的。

6. Time Concept Relativity of Depth and Breadth Space Resources

The utilization time concept of depth and breadth space resources is stated against influences on human living environment and natural environment in time. Depth space ies work and are utilized at one point without chemical reactions with other substances, It belongs to direct work. Therefore, it cuts off the time links of pollution brought by chemical substance reaction on human society and environment. The work and utilization of plant energy and other resources point circulate continuously. The carbon and other substances absorbed are equal to those are released which includes the "degree" of substance cycle "content" and time that are acceptable to human society and natural environinfluence brought by this cycle on human living environment and natural environment is rolled to a reasonable time period. The utilization of renewable resources from point to point is also for the purposes of saving resources and improving resources' reutilization, reducing the cycling time of "absorption" and "release", as well as reducing pollution. The easing growth of  $CO_2$  and other substances released by breadth space resources utilization on human living environment and natural environment, compared to the cycling time of "absorption" and "release" of utilizing depth space energy and other resources, from the short-term phase cycle of 500 - 1000 years from breadth space resources utilization to CO2 and other substances emission, to the cycle for long-term phase cycle of Earth's inces, both are the distant and hopeless wait regarding to human's living environment influence. Most of the normal and reasonable cycles to nature from a macroscopic perspective

1.6 资源利用时空弯曲的特征 1. 6 Time and Space Warp Characteristics of Resource Utilization

#### → 名词 Terms

- 1. 资源利用时空弯曲的特征
- Time and Space Warp Characteristics of Resource Units

#### ◆ 图表示意 Diagram

- 1. 能源植物资源利用的空间弯曲 (图1.6.1)
- Space warp of energy plant resource utilization (Figure 1, 6, 1) 2. 能源植物资源的时间弯曲 (图1.6.2)
- 2. Time warp of energy plant resource utilization (Figure 1.6.2) 3. 煤资源利用的空间弯曲 (图 1.6.3)
- 3. Space warp of coal utilization (Figure 1.6.3) 4. 煤资源利用的时间弯曲 (图1.6.4)
- 4. Time warp of coal utilization (Figure 1, 6, 4)

#### 第2章 多维空间资源的地缘政治

Chapter 2 Geopolitics of Multi-dimensional Space Resource

2.1 深度空间控制权

2. 1 Depth Space Control Power

## ◆ 名词解释和名词 Term Definitions

政治 及 "经济" 地理在客观世界的规章而取的一个形名列。是7 1888年以前的 及 "经济" 地理在客观世界的现象而取的一个形式别。每次 就是人工企记。 回再生能源时期,"地缘政治"中又一种新的"准缘政治"是新一代资源利益的空制 動物技术,并未被政治。中又一种新的"准缘政治"是新一代资源利益的空制 动物技术,并未被政治。中又一种新的"准缘政治",是新一代资源利益的空制 

此、同时,就拥有了掌握世界和人类命运的基本的物质基础。 同时,就拥有了掌握世界和人类命运的基本的物质基础。

Depth Space Control Power

Depth space control or depth space control power is a new term. The term is con-1. Depth Space Control Power

clearly express and understand new "political" and "economio" geography phenomenon in clearly express and understand new pointed and eccanisms between parameters in objective world. Divided by political geography, see power, land power and air power belong to objective world. Divided by political geography, see power, unsu power and sur power belong to geopolities. While depth space control power is another kind of new "geopolities" since human entered 21st century-renewable times. It is the space control power of new generation resources entered 21st century-renewable times. Here time pages and rationally develop and use energy and interest. In future, people who can scientifically and rationally develop and use energy and people who can security and evelopment with nature concerning other resources as needed own the key to manuscript and meanwhile own the key to peace deplore energy and other resources of nations and human, and meanwhile own the key to peace oepsore energy and outer resources on national man and own the primary material base necessary for controlling the fate of world and human

- 2. 深度空间和深度空间控制权的8个特征
- (1) 能源等资源的利用特征呈现出一个"点"的不断延伸和"复制"。 (2) 深度空间资源贴上和海洋都有。深度空间和深度空间控制权的概念还包含了
- 太空——"新海洋"。
- (3) 广度和深度空间都具有无限的特征。广度空间从微观空间一直向陆上、海洋 和"新海洋""无限"延伸。深度空间太阳能、植物能源可再生能源等资源也是取之不 尽、用之不竭、深度"无限"
- (4) 部分深度空间资源还包括了"点"与"点"的回收利用,比如废旧钢铁、报 纸,玻璃等可再生资源的回收利用。
- (5) 深度空间和深度空间控制权是唯一可用十字坐标的形式,来解释人类在资源 控制利用的关系上与海权、陆权、空权以十字相交,和谐的可持续发展的控制权。
- (6) "海洋"深度空间控制权,其实,是跨越海权、陆权、空权,在海、陆、空 的任何一个点上都可以不断延伸、"复制"的控制权。
- (7) 一些能源等资源的利用在平面上合理的空间内呈现出多层次的一个"点"的 不斯延伸和"复制"。打一个容易理解的比喻,一个7层的楼房按平面布置每个窗口都 可在纵向和横向采集利用太阳能,并可与风能等可再生能源组合采集。这对于太阳能 等可再生能源利用率的估算具有重要的意义。(虽然,深度空间资源十分丰富,但在利 用空间布局上更要讲究合理和科学,并非是越多越好。)
- (8) 大部分深度空间资源器具有"四维"性质,一直线、二平面、三立体、四新
- 2. Eight Characteristics of Depth Space and Depth Space Control Power

  (1) Utilization of energy and other resources shows constant "extension" and "copy" on
- (2) Depth space re s exist both on land and in ocean. Concept of breadth and depth power also include space "new oce
- the common pressure of the pre cean and "new ocean" in micro space, while depth space resources such as solar energy, plant energy and other renewable resources are endless.
- (4) Some depth space resources also include the recycle and utility between "point" and "point", such as recycle and utility of acrapped steel, newspapers, glass and other

evable resource.

(5) Breadth and depth space control power is the only one that can use the coordinate control power is the only one that can use the coordinate course. (5) Breadou power is the only one that can use the coordinate extent to explain the cross relationship between resource central power and sea, land and air as well as the harmonious sustainable development. system to specific as the harmonious sustainable development.

(6) "Ocean" depth space control power, in fact, is that stepping scross sea power, land (6) Ocean and that can be continuously extended and "copied" on any point in the dark.

- (7) Utilization of some energy and other resources shows multi-level con (7) Ullimand "point" in the flat reasonable space. Take a metaphor for understanding in a and "copy building, we can collect and utilize solar power both vertically and borizontally at every window, as well as wind power and other renewable resources. This is significant to the every window,

  utility rate estimate of solar and other renewable resources. (Although depth space resources are very rich, it needs to be reasonably and scientifically used in space layout, not the more, the better. )
- (8) Most depth space resources possess "four-dimensional" character, first strait line; cond plane surface, third solid and fourth new times and new time.
  - 3. 陆上深度空间资源
- 3 Depth Space Resources on Land

#### ❖ 图表示意 Diagram

- 1. 深度空间控制权的作用(图2.1.2)
- 1. The Role of Depth Space Control Power (Figure 2, 1, 2)
- 2. 海权、陆权、空权与深度空间控制权关系示意图(图2.1.4)
- 2. Relationship Diagram of sea power, land power, air power and depth space of power (Figure 2, 1, 4)
  - 3. 陆上和"海洋"能源等资源广度及深度空间关系示意图(图2.1.5)
- 3. Relationship Diagram of breadth and depth space resources on lard and in the sea (Figure 2. 1. 5)

2.4 和谐海洋"三段论" 2. 4 "Three-Stage Theory" of Harmonious Ocean

## \* 名词解释 Term Definitions

世界上早期海洋国家荷兰强大海军建立的目的,也印证了是为了保护运消费和队 输; 那ma 世界上早期海洋国家荷兰强大海军建立的目的。也印证了是为了保护运用和标题。 创运输:那时,海军为荷兰远洋商船保驾护航 有高级交前的侵收又投入羽底队的建设。 在和梁政士等 

多维空间资源学

造成本有很大的差异。通过运洋、近洋运输的科学合理配置,并调整产业结构。要努 造成本有很大的差异。通过近年,如何是他的"有人",和谐海洋三段论的第一部分是 力大幅度等约生产和物流成本,打造绿色港麓。因此,和谐海洋三段论的第一部分是 经略海洋应把全球资源配置与经济目的紧密联系起来。

经略海洋症把全球簽署配置与经济目的案情联系起来。 石化推廣等资源最终是要被用完的。海洋风能、太阳能、波液能、潮汐能等可再 石化推廣等资源最终是要被用完的。海洋风能、太阳能、波液能、潮汐能等可再 生能源等资源服之不尽,用之不竭。当作能源等资源歷乏、环境污染,已成为如今人 类最严重的问题。利用海洋风能等可再生优质能源等资源是解决能源等资源歷乏、环 交配 里切門思,初川中小 第污染问题的理想选择,和谐海洋三段论的第二部分是开发海洋, 获取优质 能源等资 源、释放新生产力、走可持续的发展道路。

和谐海洋三段论的第三部分是促进国际和平交流、促进世界和谐。世界和谐的基 础,更多的是要寻找非利益的冲突。远洋、近洋运输的科学合理配置节约物流成本、 开发海上风能等可再生能源资源,并逐步取代化石能源,为环境保护和减少、消除利 益冲突,为国际和平交流,为世界和谐提供了基础。和谐海洋三段论主要回答了现代 社会和谐海洋环境与海权的关系问题,并论述了当代社会新的海洋权益的三段式理论。 和谐海洋三要素的组成是互为协调、相互联系和作用的。

1. Three-Stage Theory of Harmonious Ocean

In early times, the establishment of powerful Dutch navy also confirms that it is for escorting the ocean merchant fleet transport. At that time, the navies were established to escort the merchant fleets, while the merchant fleets would pay taxes into navy construction. In seeful time, due to different ships and different ports transports, logistic costs will differ greatly in transportation of product, energy and other resources. With the scientific and rational ion of ocean and short-range ocean transportation and the adjustment of industry ture, we could save logistics and production costs to create green ports and shipping Therefore, the first part of Three-Stage Theory of Harmonious Ocean is to associate global

While fossil fuels will be exhausted eventually, the rich natural energy such as wind, e, waves and tides are inexhaustible in supply and always available for use. Considering as the deadly lack of energy resources and the environment pollutions have become the most serious problems facing humanity today, the second part of Three-Stage Theory of Harmonious Ocean, that is to develop the oceans and gain access to high-quality energy, releases the nd provides approaches to sustainable development

The third part of Three-Stage Theory of Harmonious Ocean is to promote the international n-interest conflicts. Cost savings by the scientific and rational allocation of ation and cooperation. The basis of world harmony is scean and short-sea transportation, together with development of offshore wind and other Beam an inscription of consume receivable energy resources which will gradually replace fossil fuels, laid a base for protecting neuronment, reducing and eliminating marine interest conflicts, promoting international peace, nication and harmony. Three-Stage Theory of Harmonious Ocean points out the relations between modern society and harmonious oc ment, sea power, it also discusses new

three stage theory about sea power in modern times. Three important elements of harmonic are inter-coordinated, inter-connected and interacted 293

第 3 章 多维空间资源的经济发展 Chapter 3 Economic Development of Multi-dimensional Space Resource

3.2 深度空间资源下一个新生产力的发展 3.2 Next New Productivity Growth of Depth Space Resource

## ❖ 定理 Theorems

1. 宏观角度下的广度空间资源利用定理

以目前的科技水平从宏观角度去理解广度空间化石能页的利用,显然还离不开这 样一个定理或解释: 化石能源 + 运输 + 做功反应 = 环境污染。

1. Theorems of Breadth Space Resources Utilization under Macroscopic Angle

To understand breadth space resources utilization under macroscopic angle by current echnology, apparently we cannot do without such a theorem or explanation; fossil energy + transportation + working response = environmental pollution.

#### ◆ 名词 Terms

- 1. 深度空间资源——新生产力的优势
- 1. Depth Space Resources Advantages of New Productivity

第4章 广度空间资源的历史和未来 Chapter 4 History and Future of Breadth Space Resource

4.1 自然科学广度空间资源利用的历史和未来 4.1 History and Future of Breadth Space Resource Utilization of

#### \* 名词 Terms

Natural Science

1. 处理好 "平面延伸"的瞬间 意味著亿万年的利好和安宁 1. The moment we dealt with "plane extension" implies millions of years of good

4.2 History and Future of Breadth Space Resource Utilization of Geopolitics

## ♦ 名词解释和名词 Term Definitions

1. 地線政治广度空间资源与深度空间资源的本质区别

1. 地缘政治广度空间资源与深度空间资源的本质区别在于,从资源利用做功时间(如地缘政治广度空间资源与深度空间资源的本质区别在于,从资源利用做功时间(如 量,影响人类生存,破坏自然环境。深度空间资源是一个"点"的利用、瞬间做功或在 思,影响入火土村, 被功之后的物质循环以对自然环境影响有限,适合人类生活为准则。 获取广度空间资源 对于空间的要求需要"横向""平面"的扩张来获取资源,深度空间资源获取以点的利 用为基础,因此,获取资源无需依靠对于空间的"横向""平面"的不断扩张

人类在走着一条习惯上从地缘政治、经济学理论到自然科学都未曾怀疑过的在 "平面"空间上扩张、扩张、再扩张的经典的发展理念。这一传统的发展思路要提高人 的生活水平解决人类的发展问题、答案似乎只有一个,不断"平面"地扩张空间,获 取财富。结果是带来战争、资源缺乏、环境问题并造成自身的生存危机。

广度空间的地缘政治是"平面"地不断扩张空间,深度空间地缘政治是点的"纵 向"发展无需依靠"横向"的不断扩张。

1. The Essential Difference between Breadth Space and Depth Space Resources

The essential difference between breadth space and depth space resources of geopolitics is that when making use of depth space resources, it will not only take a long time to work ( if the cycle time is included), but also produce excessive emissions that impact the existence of human beings and destroy natural environment. However, when it comes to depth space ces, it makes use of one "point" to work, then material recycling which produced when or after work instantly has limited impact on natural environment for human beings. Compared with getting breadth space resources which needs the extension of space both in "horizon" and "plane", getting depth space resources depends on the utilization of point but not continuously

It is known that people have a classical development concept with space expanding constantly, and this concept never be suspected by any theory of geopolitics, economics of natural science. If we intend to use this concept to improve living standard and solve the problem of human development, it seems that we have no other choice but expanding space in plane" to get resources. In this way, raised are all kinds of problems such as war, resource mental pollution and human existence or

2. 地缘政治走向海洋、"新海洋"的发展规则

二次世界大战证明了一个公理。把地理扩展作为国家和民族的发展战略,担人名

②

 於將遭到正义力量的制裁。同样的道理,人类在走向"斯南岸"的过程中,他在
 以始空间扩张为目的,假如有外星人的话,势多合受到热湿;(60%) 己。必將遭到止义力加四mww。四時的道理、人类在走向"新海潭"的过程中,他系以鈍空间扩张为目的、假如有外景人的话、势必会受到外景人的天理事。他系是以鈍空间扩展为目的走向高洋和"新海湾"或受到自然界录散版为和自身移动类的工作。如果如此又会受到人类和比人类更为发达的其他生物(如果如此、心态等。 限制,人类也需要自卫能力,但是,是为了捍卫正义而存在 翻载。 当然,人类也需要自卫能力,但是,是为了捍卫正义而存在 2 Development Rules of Geopolitical towards Ocean and "New Ocean"

World the country and nation will not only injure others and host mendil to also be stratesy of the sum only injustice For the same reason, if people still since it created but also be subjected to sanction by justice For the same reason, if people still since it created space towards "new ocean" never ne subjected to suscess towards "new ocean", people would suffer attention or saction of aliers if during the process.

And besides that, it is affected by natural carrying capacity, natural harmony, as well as special attentions and harsh sanctions of other enharmony, as not advanced than human beings. However, just for justice, it is allowed for people to have enough power to protect themselves.

## 4.3 经济发展广度空间资源利用的历史和未来

4. 3 History and Future of Breadth Space Resource Utilization of Economic Development

#### ◆ 名词 Terms

1. 广度和深度空间资源与可再生和不可再生资源的概念区别

1. Differences between the Concepts of Breadth and Depth Space Ressurces, Renewable und Nonrenewable Resources

第5章 深度空间资源的历史和未来 Chapter 5 History and Future of Depth Space Resources

5.1 自然科学深度空间资源利用的历史和未来 5. 1 History and Future of Depth Space Resource Utilization of Natural Science

#### ❖ 定理 Theorems

地球深度空间资源组合运用的质能平衡定理 地球深度空间资源在地球生态循环中在质能干费上已基本形式。 语自然花志 建空间资源 地線深度空间资源在地球生态循环中在度能平衡上已基本形成。東山市40年 地線度空间资源,参考质能守恒定律,根据深度空间资源定律—做应后的深度空间资

## 多维空间资源学

源,其总的自然状态下组合式运用的深度空间资源与自然状态下组合式的深度空间资 源质能平衡,并且物质结构稳定。

1. Mass and Energy Balance Theorem of Depth Space Resources on Earth

It is natural state that mass and energy balance of depth space resource has formed sically in earth's ecological cycle. Under natural conditions, mass and energy as well as material structure of integrated depth space resources could remain stable after depth space resources' working in accordance with law one of depth space resources and law of the conservation of energy.

2. 地球利用"新海洋"空间资源的质能不平衡定理

在地球资源质能原来平衡的基础上,大量输入"新海洋"——太空空间资源,包 括深度空间资源。当输入的太空空间资源超过一定的值,则会导致地球自然状态下新 的质能的不平衡、进而影响地球生态的循环。

2. Mass and Energy Unbalance Theorem of "New Ocean" Space Resources Used on Earth Increasing are a great deal of "new ocean" —the space resources which covers depth rces, based on balance of mass and energy of resources on earth. And when the space resources exceed a certain amount, it will cause imbalance of the Earth's new massenergy under natural state, then to affect the Earth's ecological cycle.

## 5.2 地缘政治深度空间资源利用的历史和未来

5.2 History and Future of Depth Space Resource Utilization of Geopolitics

#### ❖ 图表示意 Diagram

1. 多维空间资源地缘政治的时间维度(图 5. 2. 1)

Multi-dimensional Time Dimension of Geopolitics (Figure 5, 2, 1)

5.3 经济发展深度空间资源利用的历史和未来

5.3 History and Future of Depth Space Resources Utilization of Economic Development

## ❖ 名词解释 Term Definitions

1. 深度空间资源经济

深度空间资源经济是指针对工业革命之后, 为解决广度空间化石能源等资源的利用而产生的资源和环境问题。 國家、全球间的総济活动。

Le proprie que la company prefers to national and global economic activities aimed at

golving the problems of resources and environment raised from the utilization of breaths space 

2. "新海洋" 玫瑰 经产品指货资利用向太空逐伸,人类开发利用资源而产生的经济活动。 泰瀬 经济 同样可分为 "新秦迷",广西亚亚西亚 "新海洋" 英源经济同样可分为"新海洋"广度空间致覆起落和观度空间产生的是济运动,"新海洋" 资源经济同样可分为"新海洋"广度空间致覆起落和观度空间交通起

2. "New Ocean" Resources Economy

2. New Ocean" Resources Economy refers to economic activities resulted from human's developing and using resources with extending the utilization into space. Likesiae, it is developing "" "new ocean" breath space resources and "new ocean" breath space resources and "new ocean" deph space

四维资源经济是在原来对于资源经济"立体"研究的基础上,加上时间维度的观 察和研究。第四维是指广度空间资源经济和深度空间资源经济的时间维度特征。

3. Four-Dimensional Resources Economy

Four-Dimensional Resources Economy refers to the observation and study of time dim based on the "solid" research of resources economy of both space and time. And the fourth dimension is time dimension of breath and depth space resources.

4. 多维空间资源学后果的时间证明

4. Time Proof of Multi-Dimensional Resource

#### ◆ 图表示意 Diagram

1. 多维空间资源经济发展的时间维度(图5.3.1)

1. Time Dimension of Multi-Dimensional Resources Economic Development (Figure

第6章 走向"新海洋"——太空 Chapter 6 Step towards "New Ocean" — Outer Space

6.1 走向"新海洋"——太空 6.1 Step Towards "New Ocean" — Outer Space

## \* 名词 Terms

1. 做宇宙的"白细胞"

1. To Be "White Blood Cell" of Outer Space

2. "新海洋"——太空人的"公理" "新海洋"——太空人的"公理"是指太空人在自然界生存的符合自然规律的

2. "New Ocean" -Truth of Spacemen

"New Ocean" —— "Truth of Spacemen" refers to the truth that spacemen exist in ature, and it complies with natural law.

6.2 "新海洋"的"地缘政治"

6.2 "Geopolitics" of "New Ocean"

#### ❖ 名词解释 Terms and Definitions

1. "新海洋""他缘政治"

如果有外星文明生命体,外星人会不会给地球人带来威胁?应该从几方面去分析; -) 比我们发达的外星人是否已经解决了资源和环境问题,如果已经解决了资源和环 境问题,对我们就不会有太大的威胁。但是,鉴于人类社会的发展尚未解决资源和环 境问题,并且,其发展模式和理念存在着很大的不科学性,外星人就会十分注意人类 社会的发展趋势,一旦发现人类的发展将对外星人和自然界产生不利的、达到一定程 度的威胁,就有可能对人类发动攻击。(二) 在发展中尚未解决资源和环境问题,发展 理念落后的外星人,毫无疑问,这一类外星人就会如同星球大战大片所描绘的一样, - 旦不成熟的地球人与这一类不成熟外星人有了接触的机会,就有可能引发星球大战。 当然,还可能会有第三、第四种等情况,比如,发达的外星人帮助地球人解决资源和 环境问题,发展中的地球人帮助落后的外星人解决资源和环境问题。

opolitics" of "New Ocean"

Would aliens pose any threat to humans if they did exist? We should analyze as follows. First, it is unknown whether developed aliens have solved the resources and environment ns or not. And if they have, then we would have no threat. However, because human society have not solved the resource and environment problems so far, and its development mode and idea remains unscientific in many ways, aliens pay close attention on the trend of man society development. As long as our human developments make an adverse effect on nature or out space, aliens would plan attacks against human being. Second, just as depicted in the star wars movies, no doubt there would be a star wars when underdeveloped aliens who have not solved the resource and environment problems run into human beings who are not wisdom. Certainly, there are other situations such as developed aliens help human to solve the burce and environment problems, or developing human help underdeveloped aliens to solve the resource and environ

6.3 "新海洋" 太空的深度空间资源开发 6.3 Depth Space Resource Development of Outer Space - "New Ocean"

附件

#### ◆ 名词 Terms

1. 太空太阳能利用深度空间资源点的微功特征

Characteristics of Doing Work by Space Solar Power's Utilization of Depth Sp.

第7章 资源利用的哲学原理 Chapter 7 Philosophy of Resource Utilization

## 7.1 多维空间资源学里的时间维度

7. 1 Time Dimension of Multi-dimensional Space Resource

#### ❖ 定理 Theorems

1. 人的时代空间边界与环境影响范围的三定理

定理一: 多维空间资源人的时代空间边界与环境影响范围的定理是: 人的交通能 力和人对环境影响的范围基本成正比关系。

定理二:从自然和社会学的角度去分析,部分资源量"功"的能量越大。明正反 两面的"功"越大。换言之,正面做"功"能量越大,反而破坏力也越大。原子能开 发、基因技术、克隆技术、空间技术、纳米技术和网络技术方面所取用的巨大成功器

有可能演变成巨大的灾难。此外,它们还有一个特点、该是依用小 能量极大。 定理三:人的生产力和战争的时空工具。做"办"就要总大,增发对阿大多呈发

缩短"特征,反之,则变慢。 定理—是指范围而言。定理二是指功率而言。定理三是指速度而言。

L. Three Theorems about Boundary of Human's Space Age and In Impact on Environment Theorems. Theorem 1: In Hyperspace resources, the theorem about boundary of human's space age.

Its insurance about boundary of human's space age. and its impact on environment; there is a propertionally relationship between busin's shifting to

transport and the impact of humanity on environment.

Theorem 2: From natural and sociological perspective, the greater the Make, the greater energy of both sides will have. In other words, the greater energy so-lide brookhu. Nide produce, the greater energy of both sides will have. In other words, the greater energy will produce, the greater destructive power the reverse side will produce. And those great successes, and the greater destructive power the reverse side will produce, the greater destructive power the reverse side will produce, and the greater destructive power the reverse side will produce, the greater destructive power the reverse side will produce. 

多维空间资源学 300 technology, nanotechnology, internet technology and so on, are possible to change into great disasters. Moreover, they are small in size and great in energy.

usters. Moreover, they are small in success. Moreover, they are small in success. The greater energy people's productivity and wars' space-time tools make, the ore explosion time will be reduced. Otherwise, that explosion time will be increased.

orem 1, 2 and 3 are in terms of scope, power and speed.

#### ❖ 公理 Axioms

1. 时代空间边界与环境影响范围三定理的推导公理

1. 时代空间边界与环境影响范围三个平凡的定理告诉我们一个简单的公理,随着人 类时空工具做功能量的放大,时间呈现"缩短"特征,对自然的影响速度加快,如果 所做之功违背自然规律,则破坏速度加快。

1. Derivation Axioms of Three Theorems of Boundary of Human's Space Age and Its Impact on Environment

Besides, these three ordinary theorems told us a simple axiom, which is with the amplification of energy human space-time tools work, time may present the characte shortening and that will speed up the influence on nature. Just as we know, if human work against nature law, it speed up the destruction

## ◆ 关系式 Relations

- 1. 心态与资源和环境的关系式;
- 心态=维度(方向+时间)=资源+环境
- 1. Relations of Mood, Resources and Environment
- Mood = dimension (direction + time) = resource + environment

## ❖ 名词解释和名词 Term Definitions

1. 多维状态下经济发展的时间维度

经济发展的时间维度,主要反映在通过经济手段、拨正人类社会违背资源自然循 环境律的做法。属应用科学、即通过经济手段接正资源利用的"时间误差"。从时间内 容上也可以体现为历史经济成本、污染时间、未来治理时间和成本。本书所指的经济 发展的时间维度,主要是指自然科学、新地缘政治、经济发展多维状态下的经济发展

ion of Economic Development under Multi-dimensional state 1. Time Dimensi

Time dimension of economic development, which belongs to applied science, mainly reflect in the actions that correct human's violation of resource and natural circulation by means of economics. That is taking economic means to correct "time errors" of the utilization of resources. And on the side of time, it could refer to the conomic cost in history, the time of pollution, the cost and time of governing in the future. The time dimension of economic ment in this book mainly refers to the time dimension under natural science, new development geopolitics and multi-dimensional state of economic development.

2. 心态与资源和环境的关系

2. 心态与资源和IPP-现印大京 人是有思想和情感的动物、人的思想和情感决定了他的所作所为,人的所作所为 。如如了他所生活的世界。心态是人的思想为特殊的。 人是有思想和Phrasurowww、人的思想和情感決定了他的所作所为。人的所作所为 又客观地影响了他所生活的世界。心态是人的思想及情感的一种本质的心影形态, 通过不同方向的时间维度,分配看得加联场心理。 这 又多處地影响了他的生命的知识,心态是人的思想及情感的一种本质的心理状态,通过不同方向的时间能度,分配着资源和采集的心理状态,通过不同方向的时间能度,分配着资源和采集的心理状态。

Balations of Mood,Resources and Environment

2. Relations with thoughts and enotions. Man's thoughts and enotions. Man's thoughts and enotions.

Men are animals what transport on a consions. Man's thoughts and emotions determine his action, and man's actions affect his thoughts and emotions in turn. Mord is a basic state of action, and more and emotions. And this basic mind allocates the resur-

3. 资源利用的道德维度

3. 實際中以2000年在 資源利用中渗透了道德维度的现象。道德维度包括道德维度的方向,时间循环。 查德维度的方向就资源和环境来讲主要指两方面,即平和心态或负责心态。通常进度 值 修平成 的不同方向决定不同形式的循环,结果也不一致。平和心态或领责心态,通常进度 的不同方向决定不同形式的循环,结果也不一致。平和心态的循环方向是和源环境, 的不同以下10人。 查<u>娄心态的循环方向是恶劣环境。</u>道德维度需要从宏观上去看待运作的方向,把墨道 德维度的方向,与人类发展的命运密不可分。

3. Moral Dimension of the Utilization of Resources

Moral dimension, which is comprised of the direction of moral dimension and time cycle, infiltrates into the utilization of resources. And the direction of moral dimension mainly refers to sees and environments, namely, peaceful mind and greedy mind. In addition, different type of time cycle results in different direction of moral dimension as well as different outcome. Moral dimension requires a macroscopic view to treat its direction of operation and moral dimension, yet it is together with human destiny inextricably

- 4. 资源利用道德动态关系的解
- 4. Solutions to Dynamic Moral Relations of the Utilization of Resources
- 5. 平和心态的动态关系

**平和心态的转化是指维度**平和心态(方向)——附同(时间)——资源和环境的 转化结果。

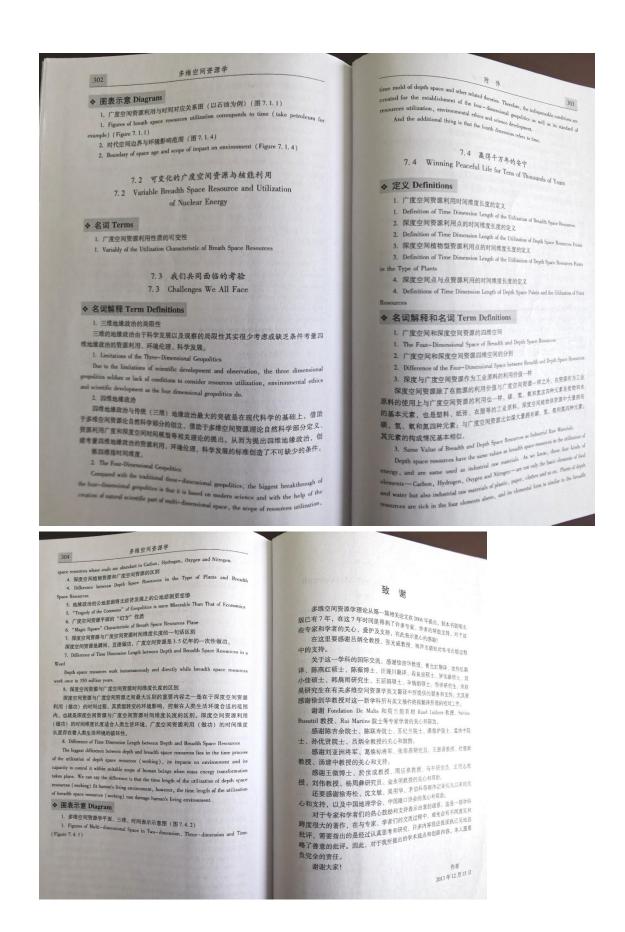
5. Dynamic Relations of Peaceful Mind

The transformation of peaceful mind is peaceful mind of dimension (direction) — (time) —the result of the transformation of resources and emittenentials

6. 贪婪心态的动态关系

→ 本心 验 即 动态关系 贪婪心态 的转化是指维度贪婪心态 (方向) → 时间 (时间) — 資惠和环境的 餘皿 转化结果。

The transformation of greedy mind is greedy mind of dimension (direction) — time (time) —the result of the transformation of resources and emirenments



Source: Yiming Cai, The Multi-dimensional Space Resource Subject [M]. Beijing. Ocean Punishment 2014: pp276–304