SABIAN PUBLISHING SOCIETY Stanwood, Washington 1 9 8 7

(Avicebron)

SOLOMON BEN JUDAH IBN GABIROL

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(Fons Vitae)

the fountain of life

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Chicago	The Aries Press	D3-6ab-19	Translated by Alfred B. Jacob from Clemens Baeumker's edition of the Latin version of Johannes Hispanus and Dominicus Gundissalinus published in Beiträge zur Geschichte der Philo- sophie des Mittelalters (Münster, 1895)	*2551103511* Filozofická fakulta Univerzity Karlovy v Praze	$\frac{1}{128N} \frac{1}{0-8} \frac{1}{8} \frac{1}{1200} \frac{1}{1200}$	LCC 87-62434	l	Copyright 1987 by Alfred R. Jacob	
iii			V. Universal material and universal structure in themselves 231	III. The elemental substances 73 IV. Material and structure in the elemen- tal substances 191	II. The substance that underlies the phys- ical substantiality of the universe 27	I. Preliminaries to the identification of universal material and universal structure 3	Preface v	C O W H FI W H S	

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Solomon ben Judah ibn Gabirol, known to the Middle Ages as Avicebron, was the outstanding philosopher poet of the eleventh century, important in the transmission of Greek thinking to modern Europe, and highly original in his own formulations. His outstanding philosophical work, The Fountain of Life, has never before been wholly rendered into English.

The twelfth-century Latin into which the original Arabic was converted was inadequate for the welldeveloped philosophical quality of the original, and there can be no reliable equivalence of meanings. A single Latin word may require a variety of renditions and different Latin words may represent a single idea. The informed judgment of the translator is constantly called into play.

Particular care has been taken to avoid English equivalents that carry too great a weight of religious preconception and would thus defeat the consistent rationality and remarkable ecumenicity of the author, whose exposition contains no elements that identify him as Christian, Muslim or Jew. Hence "soul" is inappropriate for anima in any of its several meanings, and corpus cannot be rendered as "body" because all terms must be equally applicable to the microcosmic and the macrocosmic sphere.

Clemens Baeumker's collation of the then-known four manuscripts (1895) is wholly praiseworthy, and the subsequently discovered Toledo manuscript offers few variants. Baeumker's Index rerum lists all important words with examples of their use carefully classified according to meaning but with no other attempt at definition. In it, however, are included many useful distinctions and clarifications without access to which a translator would risk drawing erroneous conclusions. For example essentia may stand for existentia or forma or even materia, and occasionally represents Essentia prima.

Of special utility have been Fernand Brunner's La Source de Vie,Livre III (Paris, 1950) and A.M.Goichon's Lexique de la Langue Philosophique d'Ibn Sina (Paris, 1938). Harry Wedeck's The Fountain of Life (New York, 1962) contains Book III only and adheres

:losely to Brunner's French. R. E. Latham's Revised fedieval Latin Word-List from British and Irish ;ources (London,1965) has been occasionally helpful.

The numbered sections have been given titles and a brief resume of each has been provided. Footnotes and references designate similarities to Ariscotle and signal related passages, but to classify ibn Gabirol as an adherent of one or another school would be to doubt his originality and his ability to assimilate and utilize the whole of the Greek intellectual contribution to the Arabic-speaking world of the eleventh century.

This translation was prepared at the request of Dr. Marc Edmund Jones, who projected a full commentary. First issued in 1954, it has now been totally revised, although unfortunately too late for the nonagenarian scholar to realize his intention. Many of the translation equivalents have been determined by him and the mark of his unique insight pervades the

work.

THE BOOK OF THE FOUNTAIN OF LIFE

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INTRODUCTION TO PHILOSOPHY

OR

THE IDEA OF UNIVERSAL MATERIAL AND STRUCTURE

and ies of elemental substances. eity of the universe. Second, on the substance that supports the corporof material and structure in composite substances. iversal structure. apprehending substances. to the identification of universal material universal structure and to the identification Divided into five books. material and Fifth, on universal material and un-Third, on the affirmation structure in Fourth, on First, preliminarthe art of elemental

BOOK ONE

PRELIMINARIES TO THE IDENTIFICATION OF UNIVERSAL MATERIAL AND STRUCTURE AND TO THE IDENTIFICATION OF MATERIAL AND STRUCTURE IN COMPOUND SUBSTANCES

The validity of dialectic The art of Logic will provide the truth of anything

at all. ill things are either possible for man to know and are subject to human reason, or are beyond reason and impossible to know. The former must be either self-evident or not, and when not can be demonstrated by dialectic.

MASTER Now that by your nobility of character and your zeal for learning you have progressed to this point, you may now begin to ask questions about what has most impressed you in our inquiry. But in doing so, please approach the ultimate question of why man was created. And let the mode of discourse between us be question and answer according to the rule of proof.

DISCIPLE But how can we arrange the questions to be proposed and the answers according to the rules of proof without great deliberation and forethought? Surely if we are determined to observe such rules in every proposition that arises in the course of our discussion, our work will be unduly prolonged and its difficulty increased.

MASTER You are right. However, let us propose proofs and premises at random in connection with this inquiry of ours, until such time as we can put them into sequence in conformity with logical patterns after determining their limits, their nature and everything connected with them.

If, however, it should happen that we set forth some question in the pattern of a dialectical figure, let us do so without reference to the order of terms in the propositions, for in such case the deliberation would go astray from the very beginning. н,1

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DISCIPLE What is it, then, that man should seek in this life? MASTER Since to know is the most excellent of all the functions of man, what he most of all needs	DISCIPLE Your words have reassured and encour- aged me in the science of proof. Now because of the confidence inspired by your friendly disposition, I wish to question you on some matters that seem to be of greatest import. MASTER Ask whatever you wish, for to you I shall	2 <u>The goal of life</u> The goal of human life is knowledge, both of self and of all things. All life was created by the reasoned purpose of the livine; hence all qui- escence and all activity derive from reasoned purpose and lead to the mestonation of man's vital principle to the higher world through its	know are either self-evident. bu to adduce proofs for what is self-evident, bu not will indeed be understood only throug in accordance with painstaking observation o es, which are the rules of the dialectic ar es, which are the truth of the matter perfectl	DISCIPLE I of, I shall be MASTER You e of them are F subject to hu wing because f	e of my eage ing to achie may not su of them. that there c have given t rush into su	4 FOUNTAIN OF LIFE I,1
3 The development of man's knowledge. The perfection self lies in its realization of its innate potentiality for the knowing tainment of knowledge, and it is endowed with the appropriate instru- ments to this end.	ife-principle is united wi e leads to action, and it s the life-principle from t and restores it to its tr in all, knowledge and a iple from the bonds of m arkness and obscurity, a own higher realm.	MASTER The union of its life-principle with the higher world, so that each one may return to its coun- terpart. DISCIPLE How do we accomplish that? MASTER By knowledge and diligence, because it	MASTER It follows that per MASTER It follows that rest and activity in the human race and everything else are from a compelling reasoned purpose. DISCIPLE What then is the end and aim of the hu- man race?	to the reasoned purpose of the supreme One. DISCIPLE Please explain what you mean. MASTER Reasoned purpose is a divinely insp ncy that creates and activates all things, with h nothing can be created.	<pre>to seek is knowledge; and the most necessary knowledge is to know himself so that in the light of this he can understand all that exists apart from himself; for his nature encompasses and permeates all things and all are subject to his supremacy. He should also pursue know- ledge of the final cause or purpose for which he was formed, so that he may vigorously apply himself to it and thus achieve happiness. DISCIPLE Does humanity have such a reason for being? MASTER Of course, since all things are respon-</pre>	I,2 MATERIAL AND STRUCTURE 5

MASTER Consider the nature of the animating principle and the structure of it by which it is dis- tinguished from all others. Notice also the trans- formation of the elements into existents, of exist- ents into each other, and the formation of instru- ments for the knowing self, or the senses. In each of these the potencies of the knowing self are both manifest and unmanifest. From all of this you will derive the relevant proofs.	es in its development from y, and whatever is potentiall accomplishing this has necess completion of this end, what LE It follows that the end n of man is for his conscious m potentiality to actuality. And so you have now been s the creation of mankind is kn the creation of mankind is kn LE Yes, in this way it is o show it in some other way, in ule.	DISCIPLE I cannot deny it. MASTER Do you grant that the perfection of the knowing self lies in its knowledge, while on the other hand ignorance is its imperfection, and from its beginning in this world it evolves from ignorance to knowledge and so from potentiality to actuality? DISCIPLE I do indeed. MASTER Now since the perfection of the know-	STER Proof of it is SCIPLE Please make the STER Do you agree the rfect and whose perfect on has as the necessary omplishment of this?	6 FOUNTAIN OF LIFE I,3 DISCIPLE What is the proof that the end and aim of the creation of mankind is knowledge and ac- tivity?	
is impossible because it is illimitable. To ascertain its existence we must first examine universal being, which we find to be manifold and yet reducible to two, universal material and universal struc- ture, which precede all other things and are inveducible. DISCIPLE Why is knowledge of the primary Ex- istent impossible? MASTER Because It is above and beyond all things and is illimitable. DISCIPLE In that case how can the knowing self	ASTER It is not impossible. I sible. What, then, is possil at impossible? ASTER What is impossible is f the primary Existent apart fi brought into being; while what w it but only in the light of :	however, I sake of which knowledge of a re, and above ns and actuate	through Jis created works and not otherwise. DISCIPLE It is clear to me from what you have explained that the end and aim of man's creation is knowledge. But I think we should look into the con- tinuity of the cognitive principle itself. What does the knowledge that it gains bring about in it? Which forms of knowledge remain with it after its separation from the body and which do not? But these questions do not belong to our present purchased to be a set of the	1,4 MATERIAL AND STRUCTURE 7 4 The possibility of knowing the primary Existent Man was created to know all things, and especially the primary (xistent that sustains and moves him. Such knowledge is possible	

DISCIPLE How can they be:	These by their ve 11 can indeed be r		e the r that wh	tenc	MASTER Universal material and universal struc-	which it is sustained and endowed with existence. DISCIPLE Which two are those?	TER Multiple indeed. Bu t is, nevertheless it nar	of universal perm	it; then motion, and finally the reasoned pu t controls and sustains all things.	de uer se	can we rind ary Existent	the knowledge of any ass what is known, and compassed by knowledge.	DISCIPLE Why is the primary Existent impossi- ble to know on account of Its illimitability?		ommon with it nor any connection ound nor simplex substances. I ible for an elemental substanc	MASTER Because reason resemptes curves If and they border on each other, thus making s owing possible. The primary Existent however, correspondence with the knowing self nor anyth	hich is al	8 FOUNTAIN OF LIFE I,5
ποιτά να αργιομιτάτα τοι chem.	MASTER Therefore i diversity to revert to th	in that in which it is not diverse. DISCIPLE That is true.	MASTER Because substantiality is an attribute of existence. Substantiality in itself however is not manifold. Therefore existence cannot be diversified	MASTER If they were diversified in their exist- ence as substance, they could not all be substance. DISCIPLE Why not?	DISCIPLE	MASTER Each one in its own true being does not differ from the others.	that the substances are all different?	them all equally with the concept of substantia	MASTER If, then, all substances coincide ing substances, there must exist a substance con	DISCIPLE I am.	MASTER Are you now certain that you understand what substance is and what contingency is?	DISCIPLE I must first decide whether all diver- sity is to be reduced to a single root or to two that include everything before I can accept one as material and the other as structure.	MASTER It is no	DISCIPLE The reduction of everything to these two. is it actual or is it conjecture?	There must be a single universal substance that endous all oth- ers with the concept of substantiality, even though what is generated from it is based on duality.	single substance but a dual	MASTER Because primary universal material is more elemental than any other and is the ultimate of all material; while universal structure is more el- emental than any other and unites all structure.	I,5 MATERIAL AND STRUCTURE 9

DISCIPLE Is there some other science other than that of material and structure and that of the primary Existent?	both useful and nect d purpose and the p	DISCIPLE This is enough for me. But since these two are the bases of all existents, we must certainly apply ourselves to examining them.	re reason, which	soned purpose and nan being, there derly arrangement the animating	7 The three divisions of philosophy Philosophy com-	u must in consequence admit that one of the other one is supported.	have granted to which a	But what proo al material an	properties that differ from itself be marked by some pr	DISCIPLE MASTER	ЪН	DISCIPLE	have to be a necessary of the bas les them; moreover, even if the bas one, there would nevertheless be a nee to revert to duality.	MASTER If the root and ground of all curry were one only, they themselves being diverse, there	ight. But why is the groun to be one?	10 FOUNTAIN OF LIFE I,6
	MASTER Material and structure are branches of reasoned purpose. Beyond this nothing can be said un- til you master the science of material and structure and that of reasoned purpose.	DISCIPLE Is any one of er one?	MASTER None, because these are the foundations and roots of wisdom; its branches, however, are nu- merous.	the way of existence the opposite is the case. DISCIPLE Is it your view that after these, other study remains for us to explore?	the way of ucture take: and of the	DISCIPLE Which of these studies takes preced- ence?	nciple, and for the primary Existent		DISCIPLE Please give me an example of their in- terconnection with each other and their order of be- ing.	rpa	ASTER This is Why: anything created require e and some intermediary between. Now the cause primary Evictor: that has been applied in the	DISCIPLE Why do these three alone exist?	MASTER Because these three alone exist: mater- ial and structure, the primary Existent and reasoned purpose as the mean between the extremes.	DISCIPLE Why is all philosophy in three parts?		11,7 MATERIAL AND STRUCTURE

MASTER If you have now achieved cruce more of of the nature of the animating principle and have re- alized that it embraces all things, begin now to sep- arate what exists into parts and resolve those that are compounds into their irreducible elements, which are, of course, material and structure.	ng. 1d I not be awar g and encompassin wink? This I my animating prin strong, penetrat	ed investigation egree of know tiness, its (ding all th) e it sustain so. whether you out existing ings you kno	le and of whatever accords with and is associa le and of whatever accords with and is associa ith it, since this principle is capable of be nown and itself can reach and comprehend all thi nown and itself can reach and comprehend all thi nown and itself can reach and comprehend all thi powers. If you have already c idered this, well and good; if not, let it be eginning of you exploration. DISCIPLE I have most certainly applied mys proclose time past to understanding the animat	ature of the animating principle ating principle is Lofty, discriminating, pe- g all. It pursues and comprehends all thing permeate all. inster continues) In view of this, inster continues) In view of this, inster continues) In view of this, inster study the science of meterial suse this first division of philo use this first division of philo the two subsequent ones. The two subsequent ones.	12 FOUNTAIN OF LIFE I,8
sha: truct atise	O O O O O O O O O O	MASTER Since our purpose has been to explore universal material and universal structure, we ought to state that what is made up of them is twofold: one is compound physical substance and the other is ele- mental transcending substance. Physical substance al- so divides into two: one is the physical material that carries the structure of the qualities, and the other is the transcending material that carries physical structure.	DISCIPLE I have already learned all I could about the animating principle, although without com- pleting what I ought to know. Nevertheless let us be- gin now to examine universal material and structure. I hope that you will begin by listing the headings that we should explore in this present inquiry and divide their sections reasonably so that I may have every- thing in readiness.	9 The fivefold distribution of the present work What is composed of material and structure is twofold: (a) com- pound physical substance, and (b) elemental transcending substance. Physical substance is twofold: (a) physical material supporting the structure of the qualities, and (b) transcending material supporting to the identification of universal material and structure; material and structure in the sensa; discussion of the physical material that supports the qualities, and (b) the transcending material that supports the qualities, and (b) the transcending material that supports the qualities, and (b) the transcending material that sup- ports physical structure. But since transcending substance requires proofs of its exist- ence, a third book will discuss the elemental substances. It fourth will examine the material and structure of the elemental substances. And a fifth will survey universal material and universal structure in themselves.	г,9

it: self-existence, singleness of nature, nment of diversity and bestowal on all thi own nature and identity.	DISCIPLE Please illustrate what you are say- ing about such an investigation. MASTER If there is only one universal mater- ial for everything, the following properties belong	light of its inseparable erties are known to exis then that reality to wh e known to exist.	DISCIPLE How can the existence of material and structure be known in the universal way? MASTER Anything under investigation that we seek to identify by proofs should be examined in	MASTER As a first intent their existence can be known in two ways, one of them universal or gen- eral and the other particular or individual.	Please reveal to me what ways you	that we proposed. 1 MASTER The existence of universal material and universal structure is not to be ascertained in	DIS on	a general and an individual way. The former will be in terms of inherent properties, which if they exist will show that the entity to which they appertain exists. For instance, if a universal ma- terial exists, it must have the following properties: (a) self- existence, (b) a single true being, (c) support of diversity, (d) provision to all things of its own nature and identity.	The properties of universal material Universal material and structure are to be understood in both	whole of what we should consider with reference to material and structure will be found in these five treatises that we have specified. Such, then, is the whole content of the present work.	FOUNTAIN OF LIFE I,10
DISCIFLE Please give an example. MASTER A good example is the cosmic sphere, of whose structures the first to occur is color, then shape, then corporeity, then substantiality, then the	eeding from manifest to unmanifest until you cor hat structure beyond which no other lies. This is tructure that antecedes all others of that which ains it.	DISCIPL MASTER	terial must have these properties. MASTER Seek them, then, in all existents, and if you discover them there, you have then surely dis- covered the primary material.	tures. The disciple does this but fails to find any universal material supporting all and differing from all.	eluminating all structures until the very last. This can be done, for example, by eliminating from the cosmic sphere color, shape, corporeity, substantiality and the transcending concepts until a self-emergent cre- ated entity is reached which stands alone and supports all these struc-	ery of the unr 1 material is by (nature and identity on all.	ot self-existing. Its true being is a unity beca hat we require is a single material for all thin t sustains multiplicity, since diversity depends tructures and structures are not self-existent. estows on all things its own nature and identity, ause if it sustains all things it is necessarily p	MASTER The material must exist, because what does not exist cannot be the material of what does. It is said to be self-existing so that reasoning will not perpendent of infinity (as it would do) if material were	DISCIPLE What proof is there that these proper- ties belong to and are appropriate to universal mater- ial? MASTER It must possess them if it has existence DISCIPLE How is that?	1,10 MATERIAL AND STRUCTURE 15

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MASTER The true being of material cannot dif- fer from that of existing things. However, these are made different from material by the structures it acquires, or in other words by the differentiae that	DISCIPLE It is as you say. But in what way will this material differ from existing things?	12 <u>Diversity arises from structure, not from ma-</u> <u>terial</u> What makes diversity possible is structure, whether manifest or unmanifest; but what accepts the structures is homogeneous and without diversity. This is illustrated by golden bracelets or reck-	MASTER Did you not grant that one of the prop- erties of universal material is that it endows all things with its own substance and identity? Where, then, will existing things acquire these properties if there is no universal material to provide them?	DISCIPLE I have now sought these properties in existing things and have found these things to be permeated and pervaded throughout, until I reached the irreducible indivisible. But I failed to find any necessity for the existence of a universal mate- rial supporting everything yet differing from every- thing.	DISCIPLE I have now abstracted the structures of that which exists from each other and have pro- ceeded from manifest to unmanifest until I reached the invisible limit beyond which there is no other, exactly as you said. MASTER Now once again withdraw from that in- visible limit back to the manifest and from the man- ifest to another more manifest until you reach the point where you began, and you will find the proper- ties of that unmanifest limit accompanying and at- tending you from the unmanifest to the manifest.	remaining ones, which is to say the transcending concepts, until you reach that of a single self- existent created entity sustaining all these struc- tures. You will thereupon find it described by the above properties, and you will discover that it is the unmanifest ultimate beyond which no limit exists except one, and that is the Creator whose name is the Most High.	16 FOUNTAIN OF LIFE I,11
MASTER Indispensible to structure is that it is supported, since if not supported it will support. In that case structure will be material and will have	DISCIPLE What reasoning can you bring forward (to show) that these properties are attached to uni- versal structure?	MASTER In the same way, then, take note of the properties of universal structure, which are: (a) to subsist in another, (b) to perfect the true being of that in which it inheres, and (c) endow it with existence. If you find these properties in the structures of existing things, you have indeed dis- covered universal structure.		These are (a) to subsist in another, (b) to bring it to com- pletion, and (c) to endow it with existence. Indispensable to structure is to be supported; and without structure nothing truly has existence on completion. But does not material exist? Not ex- cept as transcending structure is brought to it. Although it may be spoken of as existing, it lacks any but potential existence.	MASTER Consider some go; necklaces wrought in gold and ; existents. Now if you find the structures and yet their fundar one and the same, with no diffe being of that material and the ize thereby that existents are ture but their fundamental mate true being is no other than the	distinguish it. Accordingly the variety present in manifest existents comes from manifest structures and similarly the variety in unmanifest existents comes from unmanifest structures. Therefore diversity oc- curs by reason of the structures of existing things; but the invisible reality that receives the struc- tures is undiversified primary universal material. DISCIPLE Please provide an illustration.	I,12 MATERIAL AND STRUCTURE 17

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p d r		the four elements. Each differs from the others in structure, and so a single common or general structure must exist for them. This is necessary because they are contingent and not self-emergent; and so their relation to what supports them is the same as with par- ticular structures.	Universal material and structure are also found in particular entities such as animals, plants and inanimates, as well as in par- ticular artifacts such as statues or beds. The end is the case with the universals of nature, which are		ω ω σ	e is joined with it, which is actu e herwise when we say it exists, su merely potential.	erial also exists? MASTER We asserted tha Y when transcending struct	the concept of material. But to perfect the true being in which it inheres and endow it with existence is also a function of structure, since no entity can be what it is without structure. DISCIPLE But did we not previously state that	18 FOUNTAIN OF LIFE I,13
MASTER Well, did you observe the four ele- ments themselves in the animals. plants and stones? DISCIPLE No, but I saw the animals and then resolved them. MASTER Even so will you also see these uni- versal structures reduced to their substrata; and the conclusion will inevitably be that their sub- stratum is a unity.	DISCIPLE I quite understand the substrata of mals and the elements in plants and stones, and that these can be reduced into them; but I have not found any substratum for universal structures. How, then am I to agree that there is such a substrate here as I did there?	It r stru ther ther	them all? DISCIPLE What is this necessity that compels me to admit the existence of something beyond these sensible structures that is common to them all?	MASTER Do you not perceive that the structure of each element is not that of another, and hence there must exist one structure that is common to	MASTER And the same is also the case in the universals of nature, which are the four elements. DISCIPLE How is that?	MASTER Observe individual artifacts too, such as a statue or a bed. DISCIPLE I have done so, and again found the	MASTER Animals, plants and inanimates are each composed of material and structure. DISCIPLE That is so.	MASTER Contemplate the natural sensibles, whether universal or particular, and you will dis- cover in them nothing other than these. DISCIPLE What is an example from among the particulars?	I,14 MATERIAL AND STRUCTURE 19

15 <u>The primordial substratum</u> The relation of this sub- substantiality that supports the structures of the elements is the same as the relation of that substantiality to these structures. In the chain of sequence, primary material is the most urmanifest, and sense-known structures the most manifest.	n what I ha	MASTER Any element, will make the second stone animals, plants and stone produced from the element substratum in which generation	DISCIPLE I MASTER Un ubstratum fo ve from nons d be prior t	joining and rete opertains to some m, not to the su nd. But please a that generation		
Aince material never separates from structure, it is difficult to demonstrate their difference. MASTER Are you now convinced that the ele- ments with their different structures, which are the four (primary) qualities, coincide with respect to physical substantiality? And is it clear to you that there is only one substantiality as substratum for the four structures?	16 The substratum for universal and for particular structures Just as there is a single physical substantiality as sub- stratum for the four elements, so is there one for particular	primary material and the totally manifest tangible structures. DISCIPLE Let us go back to what we were say- ing about physical substantiality as substratum for the structures of the elements.	ysical substantiality of other substances emselves substrata and subsist in each oth 1 you reach the primordial substratum tha iversal material at which we are aiming. 11 recognize the similarities between the rata and those mentioned earlier, or the su at are intermediate between the totally un	om its substratum, which is substance. At in ne you will appreciate that the relation betwee substratum and the physical substantiality to poorts the structures of the elements is the structures of the elements is the structures. This consideration will reveal to you what in for the substance that is the substratum for	qualities and yet are alike in being physical sub- stantiality. This, then, must be their substratum. DISCIPLE It cannot be otherwise. If these elements are alike in corporeality as you said, there must be a physical substantiality that underlies the structures of the elements. But what do you think it is like? MASTER That is something we shall discuss lat- er when we analyze for ourselves this substantiality and differentiate its property, which is quantity	~

<pre>cosmic sphere and the elements constitute a single substantiality even when the cosmic mass is not sub- ject to generation and dissolution while that of the elements is? MASTER Exactly as we were able to state that the substantiality of the elements is one even though they differ in their qualities. DISCIPLE But how will you reply to some one who denies that the cosmic sphere is a physical sub- stantiality? MASTER The physical substantiality of the perties and differentiae are evident in it. However, some one may deny that it is a substantiality of the</pre>	17 The difference between the substance of the cosmic sphere and that of the elements; and summary and sphere and that of the elements; and summary approximation and differences and some similarities between the substantiality of the cosmic sphere and that of natural objects: the cosmic mass does not take on the qualities of the elements now generation and dissolution; but it definitely is a substantiality because the properties and differentiae of substantiality because the properties and differentiae of substantiality are evident in it. The disciple has now learned the four kinds of material and structure; particular artificial material, particular natural material, universal natural materials is its supported structure, and although different, all concur in the concept of material and structure. In natural sensibles, whether universal or particular,
יער באב איא מיאמבסבר	<pre>MASTER Similarly, the physical substantiality that is the substratum for these universal struc- tures will be just like the elements in being the substratum for these particular structures. DISCIPLE That also must be so. MASTER Now using this as a model, consider the other cases that come after. DISCIPLE I think that you are suggesting this with reference to the cosmic sphere, because it co- incides with the elements in corporeality, and so the same judgment must be made of it. MASTER It cannot be otherwise. DISCIPLE Indeed it cannot. But how can I as- sert that in something where structure is never sep- arate from material, material is different from structure? MASTER When you see subsisting in material a similar but different structure to material, because if they were one they could not be differ- entiated from each other.</pre>
is present. ructures of physical in species and yet species. In sense-pe and also universal st	DISCIPLE Yes, that is clear. MASTER These universal structures in the ele- ments, then, will bear the same relation to what is generated out of them as do particular structures to what is generated out of them. DISCIPLE That must be so.
I,17 MATERIAL AND STRUCTURE 23	22 FOUNTAIN OF LIFE I,16

MASTER Therefore what must exist in sense- perceptibles is a universal material, which is phys- ical substantiality; and a universal structure, com- prising everything supported in physical substanti- ality.	DISCIPLE They are indeed.	MASTER Do not the elements, although dispar- ate, nevertheless coincide in being physical sub- stantiality? And do not structures similarly coin- cide in being the structure of substantiality? And so structures considered as a speciesthat of sen- sible structureare one, even if as individuals in their singleness they are many.	DISCIPLE How can they unite when they are dis- parate?	MASTER Parts come together to form a whole, and these materials and structures are parts. They should therefore unite and become a whole.	DISCIPLE Just so.	MASTER So now we have ascertained that in un- iversal and particular natural sensibles material and structure alone exist.	DISCIPLE Nothing.	MASTER And in what the senses can perceive, there is nothing else beside these.	DISCIPLE That is true.	MASTER Well learned! But now in addition you ⁷ must understand that these four kinds of materials and structures, although disparate, yet share in the concept of material and structure.		Y?	DISCIPLE I have come to know the four kinds of material and the four of structure.	Now please tell me what you have gained from our reasonings up to this point.	same sort as that of these elements, and there is no need for you to dispute that at present.	24 FOUNTAIN OF LIFE I,17	
					¢						nal substances that we shall consider.	ריונ		this discussion in Book One that nothing is present in sense-perceptibles except material, which is uni-	that	MATERIAL AND STRUCTURE	