

LONGITUDINAL WAVES, STORING AND AMPLIFYING CAPABILITY OF INFORMATION IN WATER MOLECULES AND QUANTUM RESONANCE SPECTROMETER

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ABSTRACT

The outer-most electrons of metal atoms and the remaining valence electrons of any molecular atoms make three-dimensional crystallizing π -bondings. The rotating electrons on the three-dimensional crystallizing π -bonding orbitals of atoms make π -far infrared rays.

Longitudinal wave is a propagation of a bundle of π -far infrared rays, which are produced by a dynamic impact on a solid bar. The π -far infrared rays make three-dimensional crystallizing π -bondings in the material, which reproduce the same π -far infrared rays. If a current signal is input into water molecules under a given electric potential field with π -far infrared rays (input information), the signal can be amplified because the π -far infrared rays make the π -bondings, which reduce electric resistance. The three-dimensional crystallizing π -bondings can induce normal electrons to move from one orbital to next one with a aid of potential electric field. Quantum Resonance Spectrometer is composed of tesla coil absorbing π -far infrared rays, tesla coil emitting varying electromagnetic waves, signal generator, signal storage, human body amplifier, signal analyzer and data indicator.

The absorbing tesla coil making varying magnetic field and downward and upward electric field, which resonates the π -far infrared rays coming out from specimen and absorbs them. The modulated current signal from the input square signal can generate and emit varying electromagnetic waves from the tesla coil. The varying electro-magnetic waves make the three-dimensional crystallizing π -bondings and the π -far infrared rays in the water molecules.

1. GENERATION OF π -FAR INFRARED RAYS

The outer-most electrons of metal atoms and the remaining valence electrons of any molecular atoms make three-dimensional crystallizing π -bondings. The three

dimensional crystallizing π -bondings have many kinds of the π bonding units as in fig.1(ref.1, ref.2). The electrons on the π bonding orbitals rotate clockwise or counter-clockwise as in fig.2 and they make electro-magnetic waves between atoms on the orbital because electrons move between plus charged ions. The one-dimensional Kronig-Penney Model is the simplified quantum mechanical model of the three dimensional crystallizing π -bonding orbitals(fig.3)(ref.2). Fig.4 are the variation of energy band structure with potential barrier thickness(ref.2) and also the electro-magnetic binding mechanism of the crystallizing π -bonding orbitals. It can be remarked that the binding force field suggest the gravitational field. It is much wondered that gravitation field is one of the electro-magnetic fields.

Fig.5 and fig.6 are the crystallized simple cubic and face centered cubic structure of the three-dimensional crystallizing π -bonding orbitals. But many solid state structures are going on crystallizing with the π -bonding orbitals as in fig.1(c). It can be verified in fig.7 that the produced electro-magnetic waves have dual properties between material wave and electro-magnetic wave and they have particular forms of π -far infrared rays as in fig.2.

As in fig.8 π -far infrared rays make a π -electron rotating orbital, which reproduce the following same orbitals along the solid bar. The π -far infrared rays advance like material wave in the material(ref.3)

2. LONGITUDINAL WAVES AND π -FAR INFRARED RAYS

Longitudinal wave is a propagation of a bundle of π -far infrared rays, which are produced by a dynamic impact on a solid bar as in fig.9.

The π -far infrared rays make three-dimensional crystallizing π -bondings in the material.

The three-dimensional crystallizing π -bonding reproduce the same π -far infrared ray(ref.4).

The π -far infrared rays propagate and advance in the material, which is a longitudinal wave(fig.8).

3. STORING AND AMPLIFYING CAPABILITY OF INFORMATION IN WATER MOLECULES

The remaining valence electrons of oxygen atoms in water molecules make three-dimensional crystallizing π -bondings as in fig.10. The closed ring is composed of even number of oxygen atoms because the π -bondings have resonating and rotating electrons ,which needs even number of atoms.

Free water molecules can make the π -bondings, such as in fig.10, if many kinds of π -far infrared rays (longitudinal waves) are input into the water molecules.

The produced π -bondings can reproduce the π -far infrared rays, which means a storing capacity of information.

The three-dimensional crystallizing π -bondings can induce normal electrons to move from one orbital to next one with a aid of potential electric field such as in fig.11(ref.5).

The above behaviors can be verified by Ampere's law, Faraday's law and Meissner effect of electromagnetics.

If a current signal is input into water molecules under a given electric potential field with the π -far infrared rays, the signal can be amplified because the π -far infrared rays make the π -bondings, which reduce electric resistance.

If metal ions are solved in the water molecules, the π -bondings happen more easily because they attend in the bonding between the oxygen atoms.

4. QUANTUM RESONANCE SPECTROMETER

QRS is composed of tesla coil absorbing π -far infrared rays, tesla coil emitting π -far infrared rays, signal generator, signal storage, human body amplifier, signal analyzer and data indicator as in fig.12.

The absorbing tesla coil, when it is receiving the square signal, makes varying magnetic field and downward and upward electric field which resonates the π -far infrared rays coming out from the specimen (fig.13), and absorbs them. The absorbed π -far infrared rays are entered into the modulated square electric signals. They make three-dimensional crystallizing π -bondings in water molecules in the body as in fig.10, which are the mechanisms of electric conduction.

The current input in the body is amplified by the made three-dimensional crystallizing π -bondings(fig.11).

The amplified electric signals from the body are resolved in the signal analyzer. The results are demonstrated on the data indicator.

And also they can be remembered in the signal storage.

The stored data signal changes into varying electro-magnetic waves at the emitting tesla coil via signal generator. The modulated current signal from the input square signal can generate and emit the varying electro-magnetic waves from the tesla coil. The varying electro-magnetic waves make the three-dimensional crystallizing π -bondings and the π -far infrared rays in the water molecules. The electric field and magnetic field arrange the dipoles of water molecules in same direction. The oxygen atoms and the solved metal ions in the arranged state make the three-dimensional crystallizing π -bondings.

The indicated data can be variable according to human health state and mind feeling state because human brain bring out π -far infrared rays in the body.

They change the state of the π -bondings in the water molecules of the body.

5. CONCLUSIONS

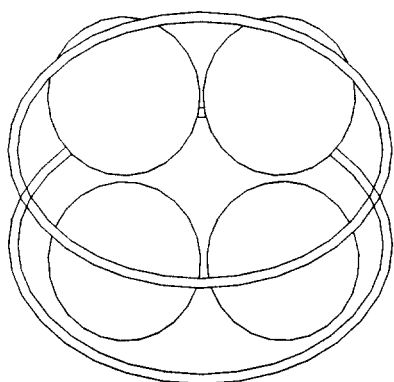
- (1) Longitudinal wave is a propagation of a bundle of π -far infrared rays, which are produced by a dynamic impact on a solid bar.
- (2) The π -far infrared rays make three-dimensional crystallizing π - bondings in the material, which reproduce the same π -far infrared rays.
- (3) If a current signal is input into water molecules under a given electric potential field with π -far infrared rays (input information), the signal can be amplified because the π -far infrared rays make the π -bondings, which reduce electric resistance.
- (4) The three-dimensional crystallizing π -bondings can induce normal electrons to more from one orbital to next one with a aid of potential electric field.
- (5) Quantum Resonance Spectrometer is composed of tesla coil absorbing π -far infrared rays, tesla coil emitting varying electromagnetic waves, signal generator, signal storage, human body amplifier, signal analyzer ad data indicator.
- (6) The absorbing tesla coil make varying magnetic field and downward and upward electric field, which resonates the π -far infrared rays coming out from specimen and absorbs them.
- (7) The modulated current signal from the input square signal can generate and emit varying electro-magnetic waves from the tesla coil and the varying electro-magnetic waves make the three-dimensional crystallizing π -bondings and the π -far infrared rays in the water molecules.

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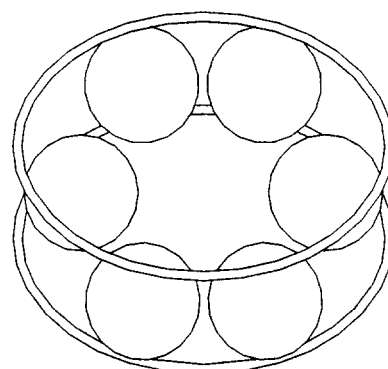
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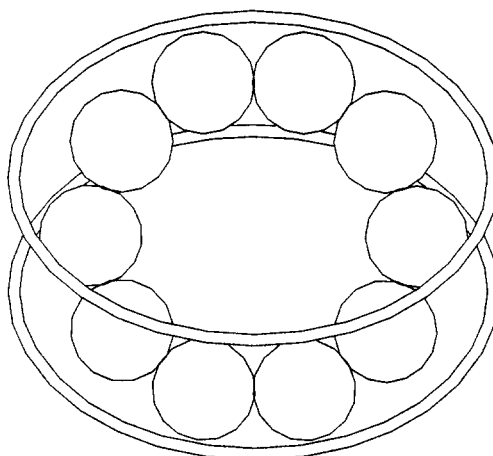
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(a) crystallized square π unit



(b) crystallized hexagonal π unit



(c) crystallizing π unit

Fig.1 Three-dimensional crystallizing π bonding units.

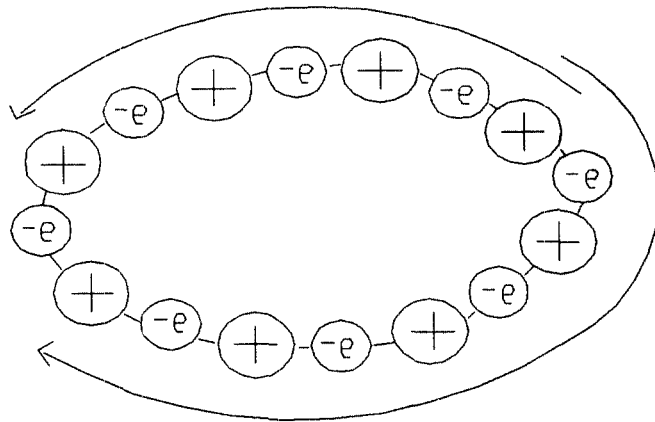


Fig.2 Electron's rotation on the π orbital and generation of π -far infrared rays.

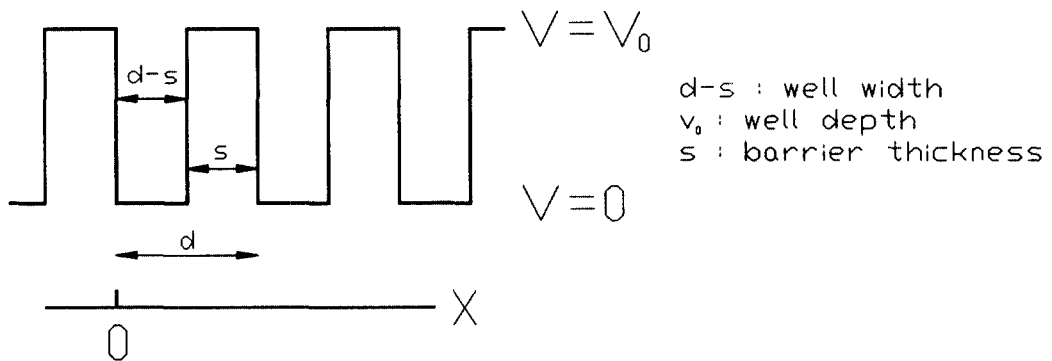
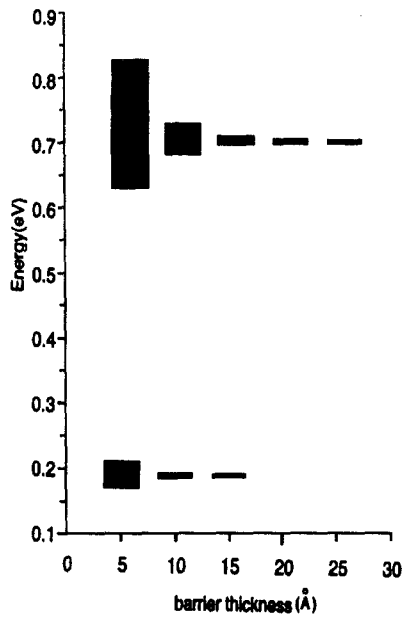
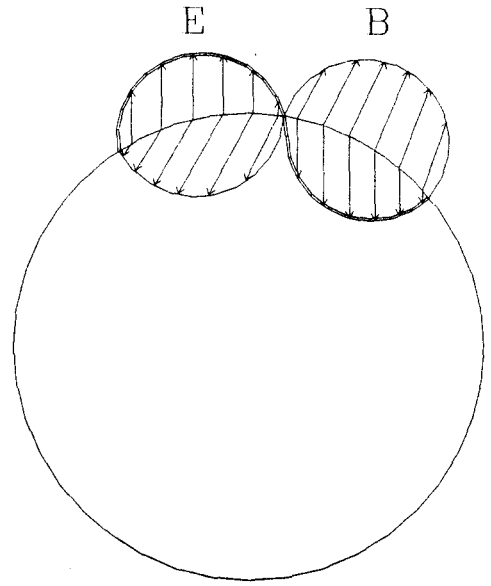


Fig.3 One-dimensional Kronig-Penny Model.



(a)energy band



(b) π -far infrared ray

Fig.4 Energy Bands and π -far infrared ray.

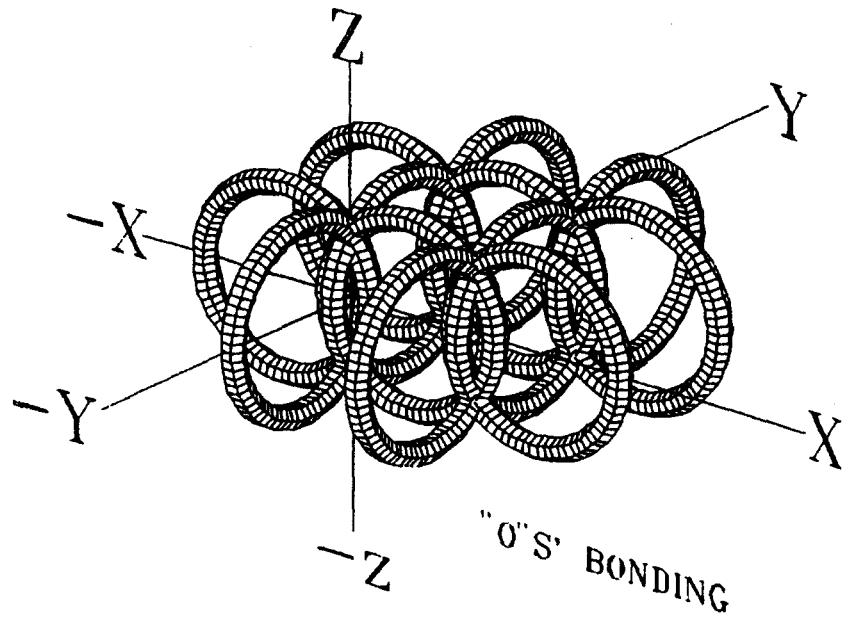


Fig.5 Simple cubic crystal structure of three dimensional crystallizing π -bonding orbitals.

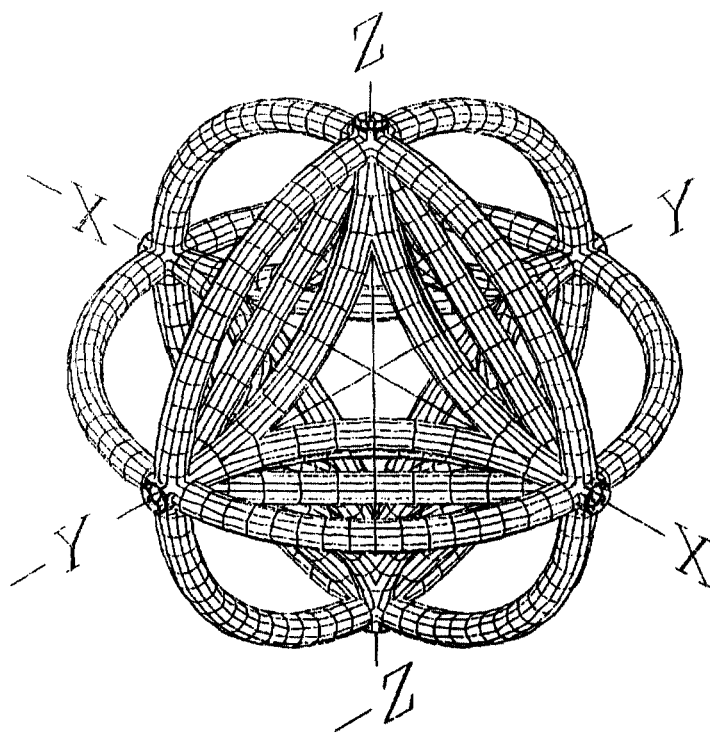


Fig.6 Face centered crystal structure of three-dimensional crystallizing π -bonding orbitals.

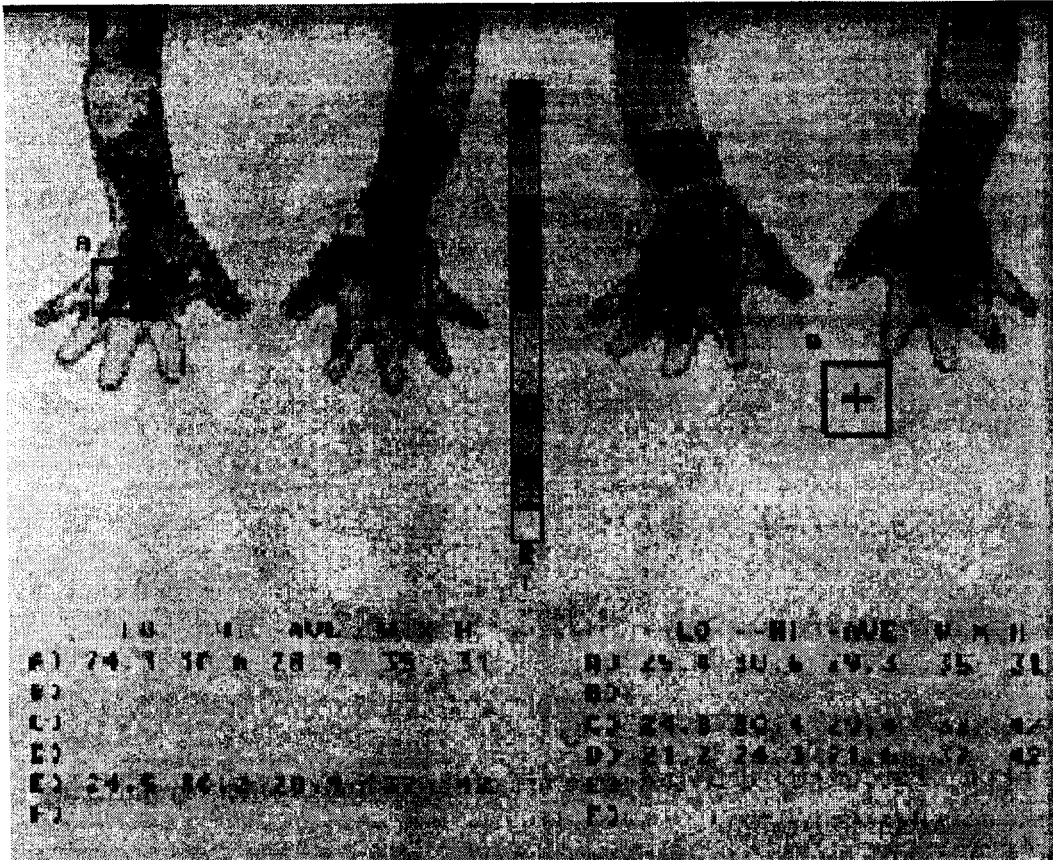


Fig.7 Effect of the π -far-infrared rays on the body by health vital ring (offered by JIN SOO PARK).

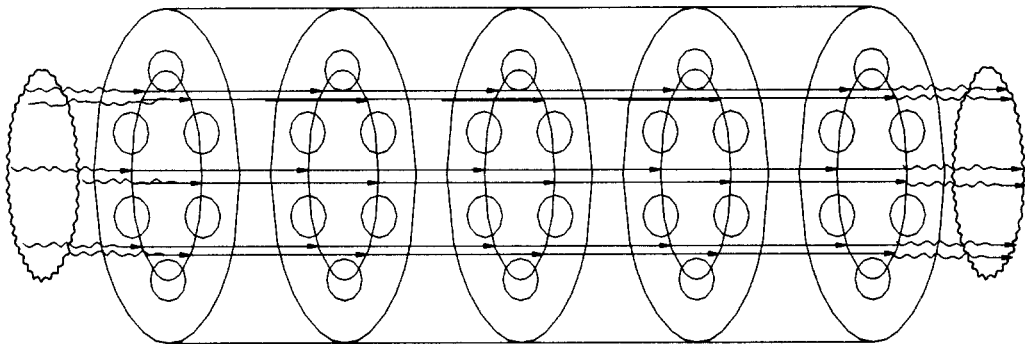


Fig.8 Dual properties between material and electro-magnetic waves.

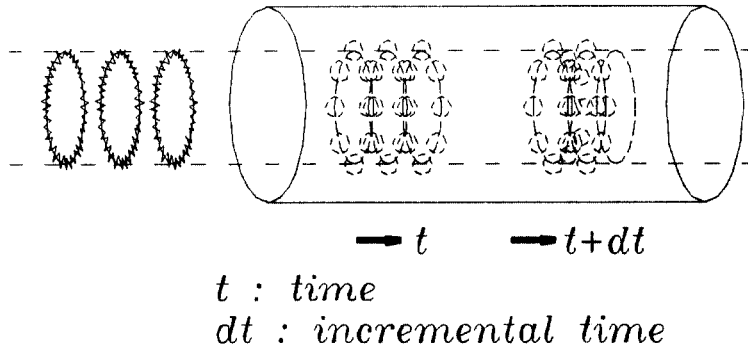


Fig.9 Propagation of longitudinal wave in a solid bar by a dynamic impact

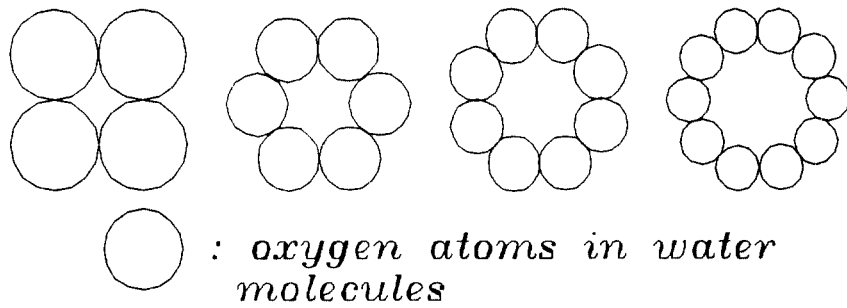


Fig.10 Three-dimensional crystallizing π -bondings of oxygen atoms in water molecules

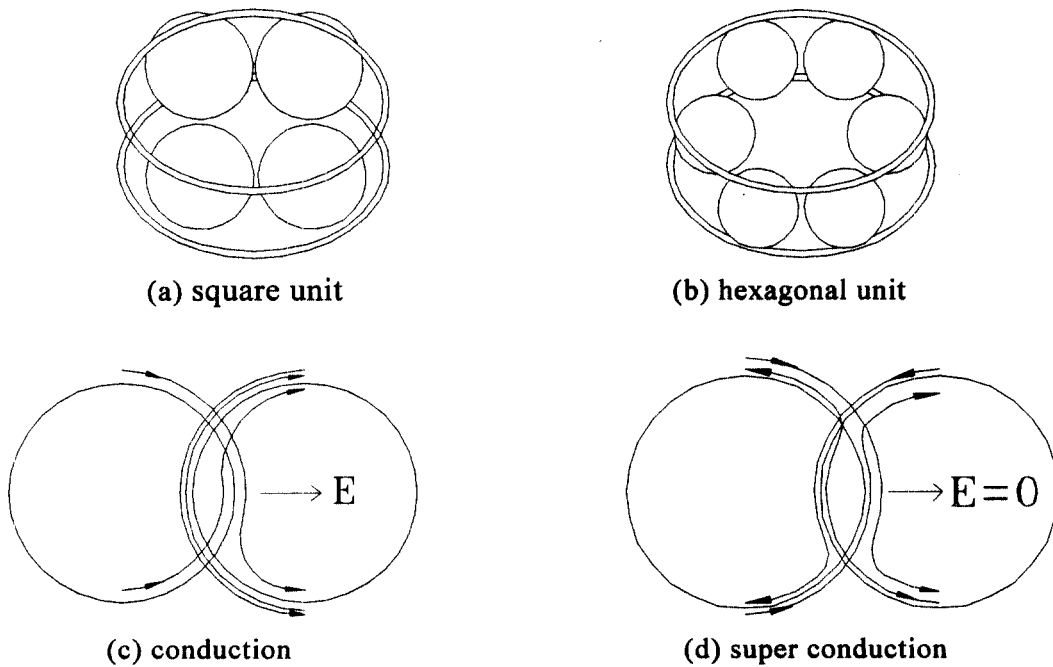


Fig.11 Mechanism of conduction and super conduction between one orbital and the

next of the π -bondings

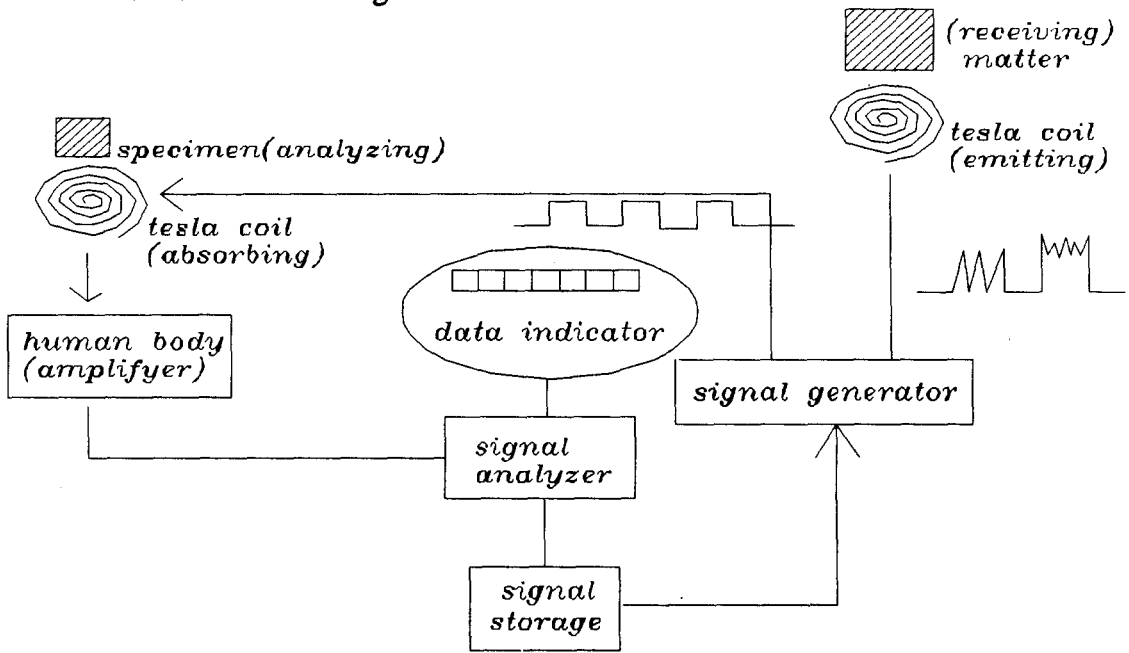


Fig.12 System components of QRS

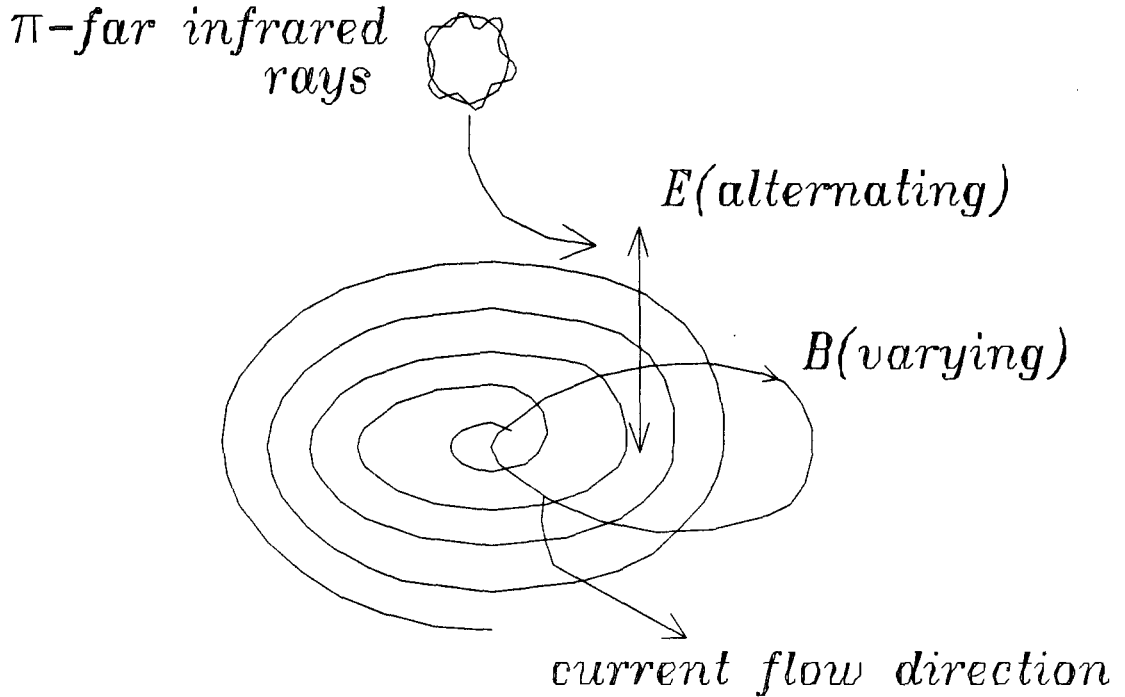


Fig.13 The absorbing tesla coil