

# Fractal Field Implosion Science Technologies



## SCIENCE and the 'IMPLODER'

### Implosive Water Treatment

#### **Technology Description:**

The "Imploder" water treatment device produces a measurable and validated enhancement of plant growth, seed germination success, and biomass yields. It revitalizes water quickly and is easy to install. It is unique technology that combines a magnetic array with a directional nozzle. The Imploder device facilitates the bringing of required nutrients into plants by causing a de-clustering effect on water.

**Testing and validation:** One growth experiment compared the growth of white mustard seeds in a tapwatered control group with an identical setup using tapwater put through the implosion device. The Imploder watered group demonstrated an increase in germination rate from 63% to 83% (a 20% increase), and yielded a 328% increase in biomass over a period of 31 days as compared to the control group. Current testing involves several growers from various locations around the world using a variety of seeds and waters.

#### **Used for:**

The Imploder can be potentially be used for increased seed germination and accelerated plant growth and increased produce yields for hydroponics operations, greenhouses and agricultural applications as well as golf course greens, athletic fields and public landscape gardens..Its potential applications include conditioning swimming pool water, superior quality ice formation in skating rinks, snow making, home water treatment (possible anti-aging effects), brewery, wineries, (more efficient fermentation), efficiently growing biomass for ethanol production

For a modest investment, growers can greatly improve their bottom line (higher germination rates, faster growth and potentially more yield). It is easy to install, operate and maintain. No moving parts, so minimal wear and tear. The Imploder is designed as a sustainable and environmentally friendly technology. It enhances growth and productivity, and reduces water and energy consumption, and thereby produces a cost savings.

- Successful and increased seed germination
- Accelerate Plant Growth for hydroponics, greenhouse and agriculture operations
- Increased sedimentation rate effects used for sewage treatment and waste management
- Applications for home use to purify and re energize unhealthy water
- Increased agriculture yields for all crops, including the food crops for third world nations
- Related technology of Phase Conjugate Dielectrics has potential positive effects on seed storage optimization, increased fermentation rates, and live food preservation.

#### **Benefits:**

- Revitalized water can be achieved quickly and easily.
- Less amount of water is required for plant growth.
- Cost effective
- Uses established infrastructure

## What is the Science Behind the Imploder?

The science of water is becoming more complex and surprising all the time. It is not just a single homogenous substance that we have thought it to be. For example, water (H<sub>2</sub>O) has many varieties depending on which of the three hydrogen isotopes are involved, the size of the loosely held molecular groups called “charge clusters”, the frequencies both subtle and gross that can be imprinted on and held by water, and the way water is structured, etc. Water is an absolutely key ingredient in producing Life as we know it. Fractal Inc has developed technology, called the Imploder, which treats water to both support and enhance the Life Quality in seeds and plants. It has two parts; a phase conjugating magnetic part and a centripetal implosive part.

### What is Phase Conjugation?

As modern physics is discovering, everything is composed of waves: matter, energy in all forms, all Life, you, me, everything. The Universe is awash in waves that for the most part interfere with each other in ways which diminish and cancel each other out. Phase Conjugation is a wave phenomenon whereby certain conditions, geometries and magnetic arrangements etc., cause waves to strengthen each other as they come together by adding and multiplying each other. All Life, in order to be at all, is characterized by phase conjugation of a certain sort. Through our research, we have identified principles, aspects and factors affecting the kinds of order that enhance Life and have developed a magnetic array technology that can be used to bring about favorable phase conjugation in water which supports Life.

### What is Centripetal Force?

In the fluid dynamics sense, centripetal force refers to the suction process that causes fluids to move inwards and towards the centre in a spiraling whirling path. It can be called a vortex and affects the nature of water in profound ways. The opposite of centripetal force is the familiar centrifugal force that we felt strongly as children hanging onto a spinning merry-go-round to avoid being spun off. Centripetal force is just as strong a force but acts towards the centre. Centripetal force as applied to water causes implosion which has profound effects on the nature of water. Fractal Inc.'s Imploder uses an intricately designed and precisely engineered nozzle to set up a centripetal force which causes implosion in water.

## The Imploder Device

The Imploder prototypes are 15-20 inches long and can easily be connected to any residential or commercial water source below 40 PSI. See a photograph of an early prototype below.



The long copper coloured pipe on the left houses the Phase Conjugate Magnetic array and the white bulb to the right houses the Centripetal Vortex Nozzle. When it goes into production, these inner workings will be enclosed and protected in an easy to handle housing with a flow control trigger

### An Independent Experiment

An independent experimenter investigated the accelerated plant growth effects of Imploder water whereby 30 white mustard seeds were planted in each of two identical growing mediums. One was fed tap water, and the other with the same tap water that had been cycled through the Imploder device. Several positive effects were observed.

- After 4 days the tap water control group had 11 un-germinated seeds and a growth score (consisting of number of seedlings times their respective lengths) of 8. Whereas the Imploder watered group has 6 un-germinated seeds and a growth score of 20. See data below.

#### Tap Water 30 seeds

11 un-germinated  
10 partially germinated  
7 one-inch  
0 two-inch  
0 one and half inch  
2 half inch  
 $7 + 2/2 = 8$

#### Magnet Water 30 seeds

5 un-germinated  
6 partially germinated  
6 one-inch  
3 two-inch  
3 one and half inch  
7 half inch  
 $6(1) + 3(2) + 3(3/2) + 7/2 = 20$

It can be concluded that the Imploder increases both germination speed and ultimate germination percentages.

- After 31 days post germination, the Imploder watered group looked substantially larger, more advanced in their growth and healthier. (See photo below taken after 31 days.) Then the plants in each group were uprooted, the soil carefully removed and the plants weighed.



Photo 1 – Growth after 9 days post germination. Imploder water on the right, tapwater control on the left.



Photo 2 – Growth after 23 days post germination.



Photo 3 – Growth after 31 days post germination. Note that there was a 328% increase in biomass in the Imploder watered group with respect to the control tap watered group. Our understanding of why this happened has encouraged us to proceed with developing this leading edge water treatment technology to enhance the world's ability to grow food and other useful plants in a healthier, faster, and more sustainable way. For further details of this test refer to Dr. Sal Giandinoto.

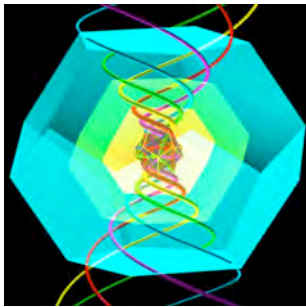
## More Science Background on Implosion

In general, implosion in a fractal field is the essential symmetry mechanism which creates gravity, color, life, perception, and all centripetal self-organizing forces. Some of the world's leading physicists research and support these pioneering theories. (See references below)

- Fractality used in math and physics is a well-known principle of infinite compression
- This compressibility creates a centripetal force called implosion, which is related to the physics of phase conjugation
- Phase conjugation is the perfect way for waves to meet and create fusion, and is idealized by the golden mean ratio
- The golden mean proportion defines beauty, the geometry of all living proteins and plants, and is used for perfect constructive wave interference and wave compression.
- We have discovered how to make a fractal electric field and how that becomes bio-active. We are the first to articulate the pure principles of how to MAKE a bioactive field, and to develop technologies from this science.

IMPLOSION creates self-organization and therefore "Life" in 3 fundamental ways:

- 1) Phase conjugate optics is a very well understood field in physics. Creating order from chaos by fusion is well demonstrated and can be applied to other areas of scientific endeavor such as light, charge and magnetism.
- 2) Phase conjugation dielectric creates "bioactive life" from a "fractal field" effect.



To understand the principle - simply visualize waves of charge approaching each other from opposite directions by imagining the symmetry of TWO PINE CONES - screwing in to each other tip to tip.

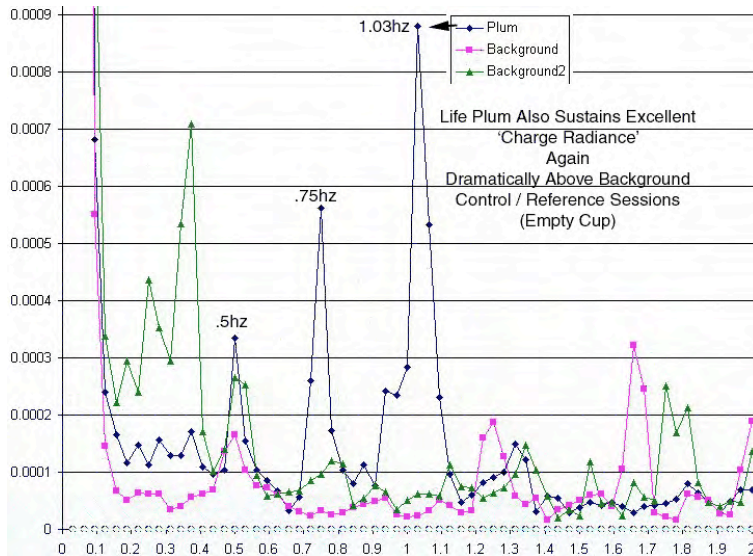
In the center, the plasma implodes causing a centripetal and self-organization of its environment.

- 3) The third principle way of self-organization applies the lessons of Phase Conjugate Optics to magnetism. Through this understanding this principle, like magnetic poles can be made to attract each other creating implosive magnetic forces. This is unique to our Implosion device.

## Seeding Field Effects

We have scientifically identified the precise electric field ideal for growing seeds. The graph below is an example of the one of the tools we have used to measure the vitality or life force in seeds, fruit and eggs.





**Above graph showing:**

Vertical axis = power density

Horizontal axis = inverse frequency dominant from second order power spectra

This explains the measured life force = the strength of the weak dielectric field in making the plasma centripetal



In the photo above, a chicken egg has been placed in specially designed capacitor with a gold coating and an egg shaped geometry. The electrical coherence of the chicken egg's weak electric field is called its 'harmonic inclusiveness' or "bioactive field" or "fractality" (measured as a millivolt differential from the top of the chicken egg to the bottom) indicates its vital life force. The gold egg capacitor increases the chicken egg's measured bioactive field which has the effect of keeping it fresher for longer.

The principle of fractality as applied to the chicken egg can also be applied to a seed. To understand how the electric field measures and creates life in a seed, consider the fluid nature of the protoplasm of a seed. If the 'plasma' field around that seed is CENTRIPEDAL (meaning able to suck or 'implode') then it can attract and suck in the liquid and nutrient from the external environment to grow. This same centripetal electric field, which is an innate characteristic of all living things, has been identified, can be generated and applied directly to a seed to facilitate seed germination. When the same field is applied in a coating form, it has been demonstrated to increase the duration of viable seed storage. Fractal Inc. is the world leader in understanding and articulating the pure principles of how to make a bioactive electric field, and invent the technology to share this life giving force with the world.

### **Prototype Water Implosion Apparatus**

A series of specially formulated extra strong magnets are precisely arranged in a phase conjugate pattern array. We utilize the enhanced 'z-pinch' effect in our custom phase conjugate array.

### **Redox Experimentation and Results**

The magnet array is attached to a diaphragm water pump, which allows for recirculation of the water in a 20 liter reservoir. Water was conditioned by recirculation for a period of approximately 10 minutes before measurement or experimentation. After circulating water through the magnetic array, there was a measured 6.5% drop in Redox potential in the test sample as compared to the control sample. This is advantageous for drinking water since a lower value in Redox potential is healthier. A 5% drop in pH was also observed from the control value of pH 8.0 to the test value of 7.6. The ORP (redox potential) readings were as follows:

Control: 738.5 mV

Test sample: 690.2 mV

(note: all measurements were made in reference to a saturated Ag/AgCl calomel electrode)

### **Phase Conjugate Seed Germination with Imploded Water**

A seed participates in a "life or death drama" at the moment it either germinates or dies. If we look at the germination process in the most gross and basic of terms, for LIFE to begin depends on whether or not a seed has developed the power to steer or orient the angle of approaching water molecules from its environment toward itself via centripetal force. If a seed can crank up the electrical power to steer in the approaching water molecules laden with nutrients, then we have the miracle of germination. If not, we have death. Where does this electrical power come from? It comes from electrically centripetal force of fractal or phase conjugate implosive charge symmetry.

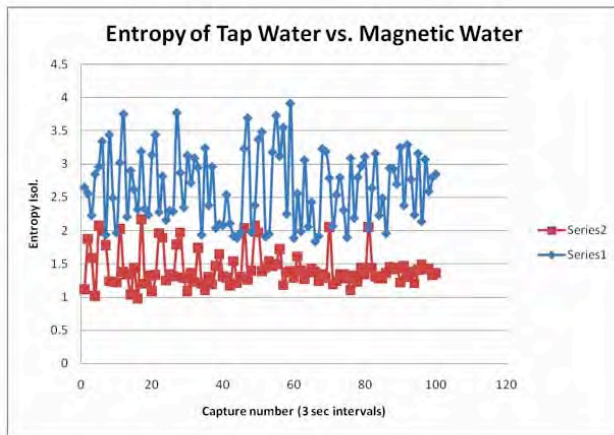
One good example of the life enhancing effects of this centripetal force comes from an observation made during the plant growth experiment detailed above. Dr. Sal Giandinoto measured the germination rates of our magnetically charged water versus the non-charged water. He observed that in almost every case, the stems of the plants fed Imploded water were standing straight up (supporting the weight of the leaves) while the stems of the plants fed non imploded water were mostly lying down. This is one example of how imploded water imparts more strength to the growing seeds.

To re-iterate, the difference between a seed that is alive, versus a seed that is dead, is the ability to shoot out an electric field strong enough to change the angle of incoming water. The ability to radiate charge is therefore Life.

If the ability to radiate charge becomes our definition of life, then it is necessary for something to compress that charge so that it can radiate. Charge compression is perfected when it is Fractal! So charge radiation is also perfected when Fractal.

### **How it works**

The crux of our technology hinges on our discovery of Phase Conjugate Magnetics. When magnetic lines are properly aligned and focused they phase conjugate. Magnetic domains have long been thought to be simply toroidal, whereas they are actually octahedral in nature. The understanding of this geometry opens the way for like poles of the magnet to actually attract each other and strongly stick together, ie. N to N, and S to S. When this happens, the extreme focusing of the magnetic flux densities aligned in a cone produces cohering of water molecular clusters. When water passes through this magnetic flux density, it is "sorted" in a way that reduces the molecular cluster size and increases charge radiance efficiencies. Evidence for this effect is measured with the "Korotkov" GDV Device (Gas Discharge Visualization) as a net decrease in entropy, which by definition means more order in the molecular arrangement of the water molecules.



In the graph to the left, entropy is plotted on the y-axis. Note the higher entropy measured in the tap water plotted in blue, and the significantly lower entropy measured in the same tap water conditioned by the Imploder Device.

Tap water (BLUE) Magnet Water (RED)

Entropy Avg. (magnetic water)= 1.43

Entropy Avg. (tap water)=2.66

**GDV - Charge Radiance Measure Phase Conjugate Magnetic Water**



**Tap Water before the treatment**



water circulated thru PC Magnetic Column for 15 min.

**Above:** Notice the visual increase in charge radiance (equivalent to Life Force) in the Imploded tap water on the left compared to the untreated control tap water on the right, using the "Korotkov" GDV Device.

This discovery revolutionizes water treatment, water purification, and water pre-treatment for increasing agricultural yields and other applications. It also opens the way to increase sedimentation rates which likely have advantages when converting tar sands into oil production, for use in revolutionizing sewage treatment reducing the time of treatable discharge, and in other waste management scenarios such as treating dairy farm waste.

[www.TheFractalFieldTECH.com](http://www.TheFractalFieldTECH.com)

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contact: [info@Breakthru-Technologies.com](mailto:info@Breakthru-Technologies.com)

to **ORDER:**

[danwinter@goldenmean.info](mailto:danwinter@goldenmean.info)

## References

Recent books like "Seeds of Knowledge" by John Burke, have extensively documented and dramatic improvements in seed germination and growth - when seeds are simply exposed to the electric field inside-large stone 'dolmen' circles, such as Stonehenge. The book 'Seeds of Knowledge' offers a mild commercial seed treatment which is just a negative ion wind which causes a growth effect. They do not understand that the essential principle - is the fractal charge, which allows the negative ion to be electro negative in the first place.

German researchers have tested a static electric field which powerfully triggers seed growth: <http://www.urzeit-code.com/index.php?id=23> called ""Primeval Code" They created "corn with up to twelve ears per stalk; wheat that was ready to be harvested in just four to six weeks." The cereals "generated by an electric field, in contrast to modern strains of seeds, require hardly any fertilizers or pesticides "

We are however the first to articulate the principle of the electric field- which creates growth. It is a fractal or technically: "phase conjugate dielectric" field. Description and measures: [www.goldenmean.info/biofield](http://www.goldenmean.info/biofield)

Other scientists (Tom Bearden): extensively describes the bioactive nature of 'phase conjugate dielectric' fields see [www.goldenmean.info/phaseconjugate](http://www.goldenmean.info/phaseconjugate) (at bottom)

Molecular pent patterns- also many pictures of water making fractal /pent symmetry:  
[www.goldenmean.info/life](http://www.goldenmean.info/life)  
[www.goldenmean.info/cancer](http://www.goldenmean.info/cancer)

One nice rather medical example of this ideal: Nobel winning Albert Szent-Gyorgyi in "Electronic Biology and Cancer" figured out the difference between a healthy cell and a cancer cell. At a primary level, the critical difference was the {triplet state electron} ORDERLINESS OF ITS WATER. Super ordered {fractal} water geometry makes CHARGE DISTRIBUTION EFFICIENT and that is the end of cancer! Another nice more plant physiologic example: our wonder plant doctor friend in Werra Meissner - points out that the most healing potent part of the plant for his medicines is always the growth spurt part RIGHT AT THE TIP OF THE BUD. Here the CHARGE RADIANCE is strong - where that charge is embedded in the molecules of the cells near there - is where you can find the most healing part of the plant.

- Implosion in living wave systems was made famous by Viktor Schauberger.
- Research papers by Tom Bearden [www.goldenmean.info/phaseconjugate](http://www.goldenmean.info/phaseconjugate)
- Implosion and the fractal field: film clips at: [www.fractalfield.com](http://www.fractalfield.com)
- Golden mean software at [www.goldenmean.info/matrix](http://www.goldenmean.info/matrix)
- Video interview for scientist [www.goldenmean.info/techreview](http://www.goldenmean.info/techreview)
- [www. Agric.gov.ab.ca](http://www.Agric.gov.ab.ca)
- <http://usa.grander.biz/>
- Brooks Research Centre, Canada, test aquaponics and grow fish with plants
- [www.theFractFieldTECH.com](http://www.theFractFieldTECH.com)
- Understanding Seed vigor by ISTA (International Seed testing Association) Courtesy of Wally Dalgliesh, New Zealand.

### **A definition**

Seed vigor is defined as the sum of the total properties of the seed, which determine the level of activity and performance of the seed or seed lot during germination and seedling emergence

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to ORDER:

[danwinter@goldenmean.info](mailto:danwinter@goldenmean.info)