



# Friedrich Balck

## Experimental Approach to Water Veins

Earth's Fields 2018 conference - Tallin, Estonia  
Institute of Environmental Health and Safety

1. Biological sensors as physical detectors
2. Health: Technical devices and moving water
3. Traces around matter in motion
4. Experiments with artificial water veins
5. Summary

References available at [www.biosensor-physik.de/biosensor/xxx.htm](http://www.biosensor-physik.de/biosensor/xxx.htm) for instance, publications at [biosensor/b-literatur.htm](http://biosensor/b-literatur.htm)

## Biological sensors as physical detectors for the perception of invisible structures

Approximately every fifth person possesses extended perceptive abilities. Invisible structures (radiation, waves, or zones) exist and can be perceived by these sensitive persons.

Nevertheless, research performed in this field is disregarded as esoteric.

The invisible structures are associated with a kind of matter which is not visible with the unaided eye or with cameras. More than one hundred years ago, this matter was designated as “**ether**”. Since that time, investigators have repeatedly attempted to demonstrate the existence of this “ether” by means of experiments in the visible range, but hitherto without success. Nowadays, terms such as “**feinstoffliche Materie**”\*, “**dark matter**”, or “**subtle matter**” are employed as designations for this concept.

\* K. Volkamer

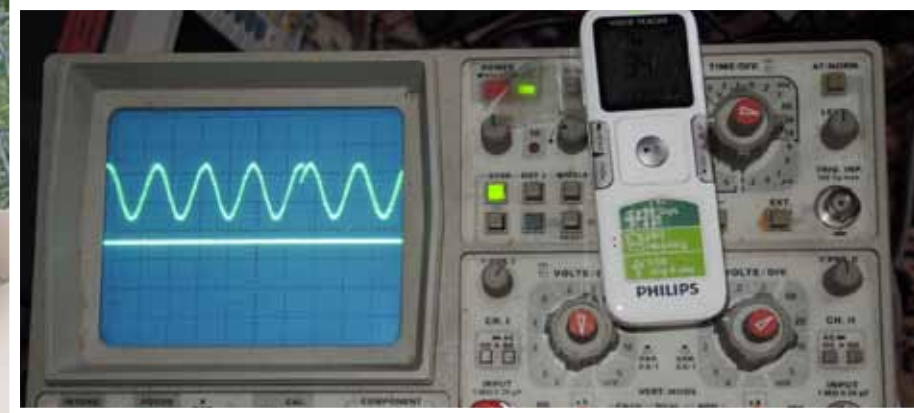


## Artificial aquifers and alternating electric current from dictaphone

Pressurised tank with water



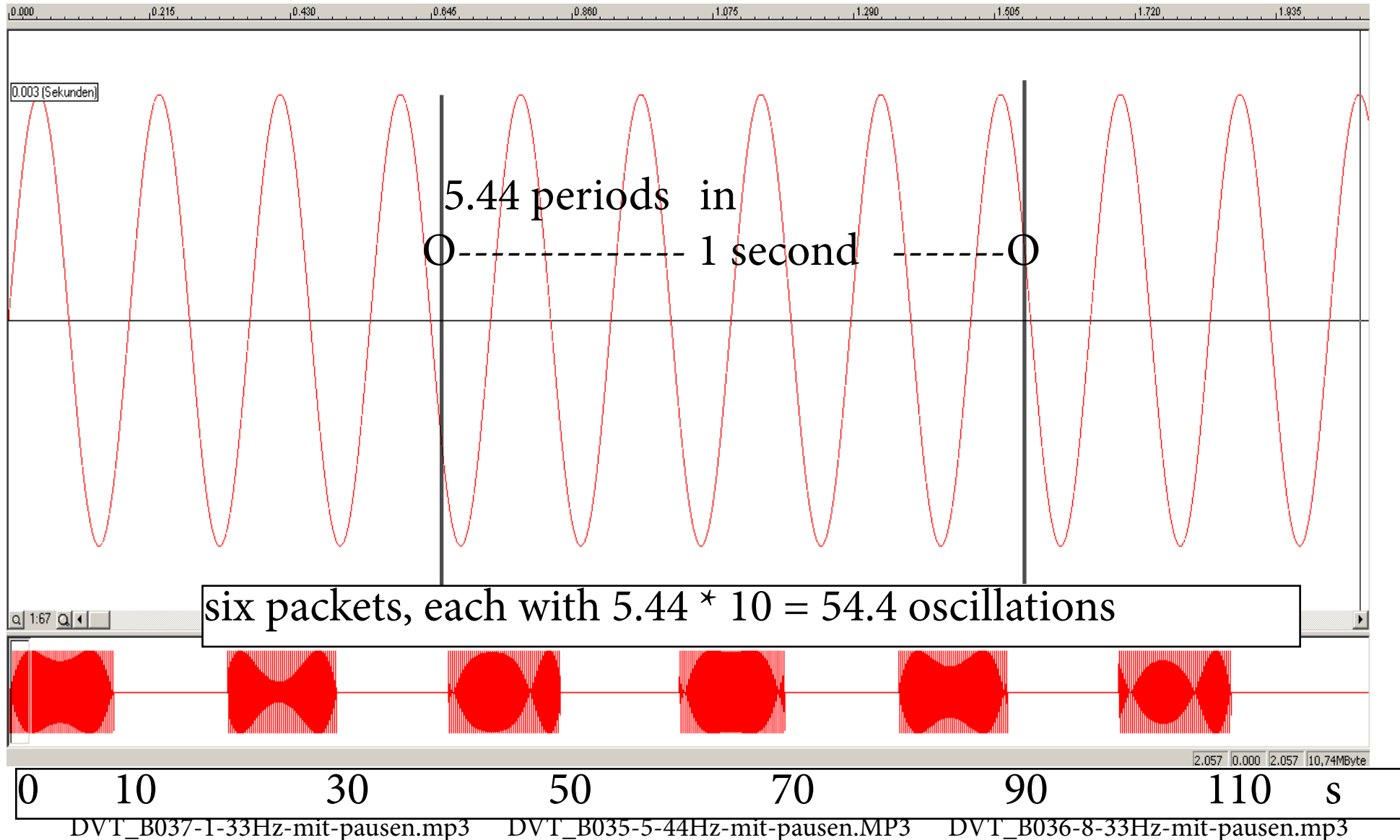
Thin jet of water



Thin copper tube:  
water flows, electric  
current flows.

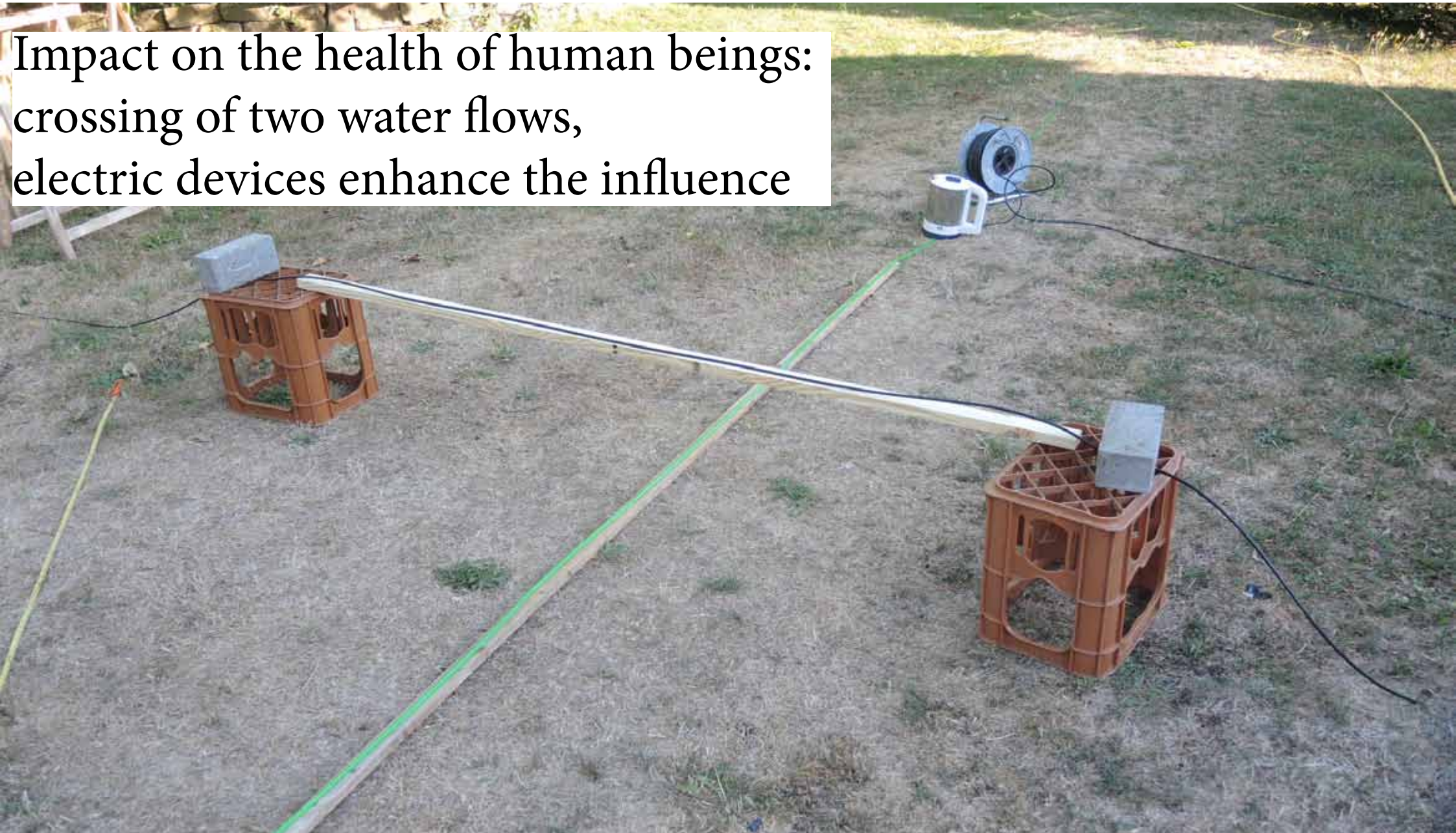
Electric current from head-phone jack:  
MP3 files with 8.3 Hz; 5.4 Hz; 1.3 Hz each 5 times (30 s sound, 30 s pause)

each 6 times (10 s sound, 10 s pause)

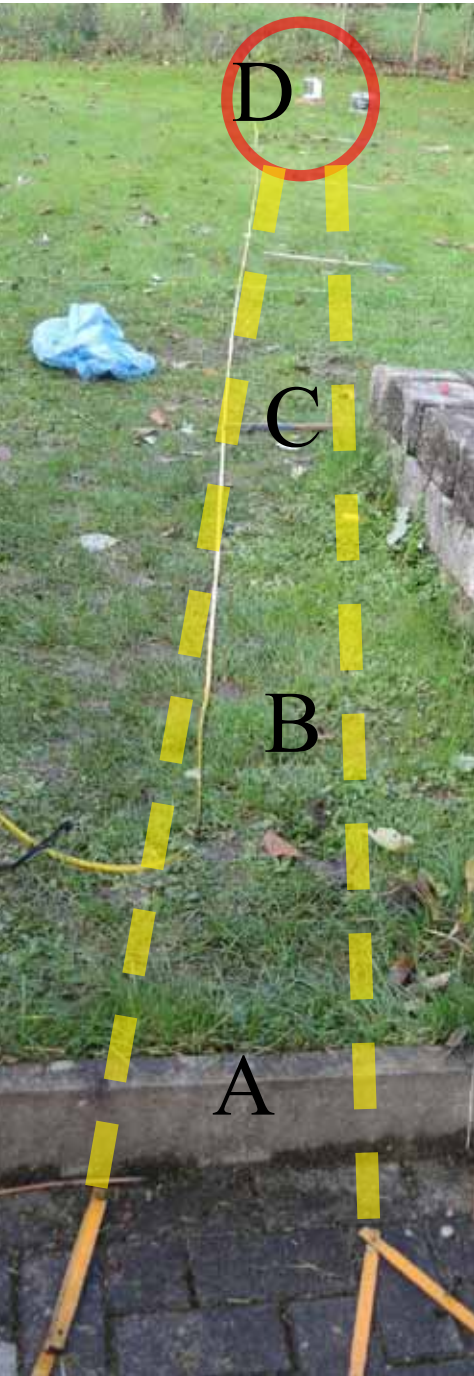




Impact on the health of human beings:  
crossing of two water flows,  
electric devices enhance the influence





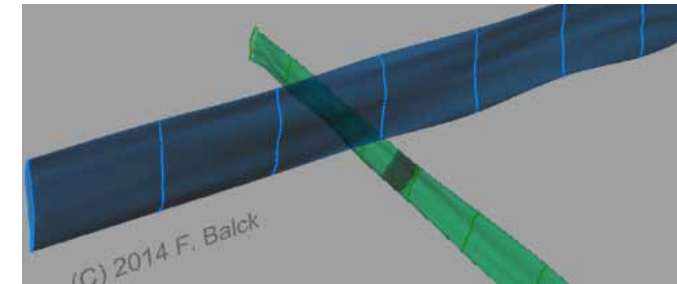
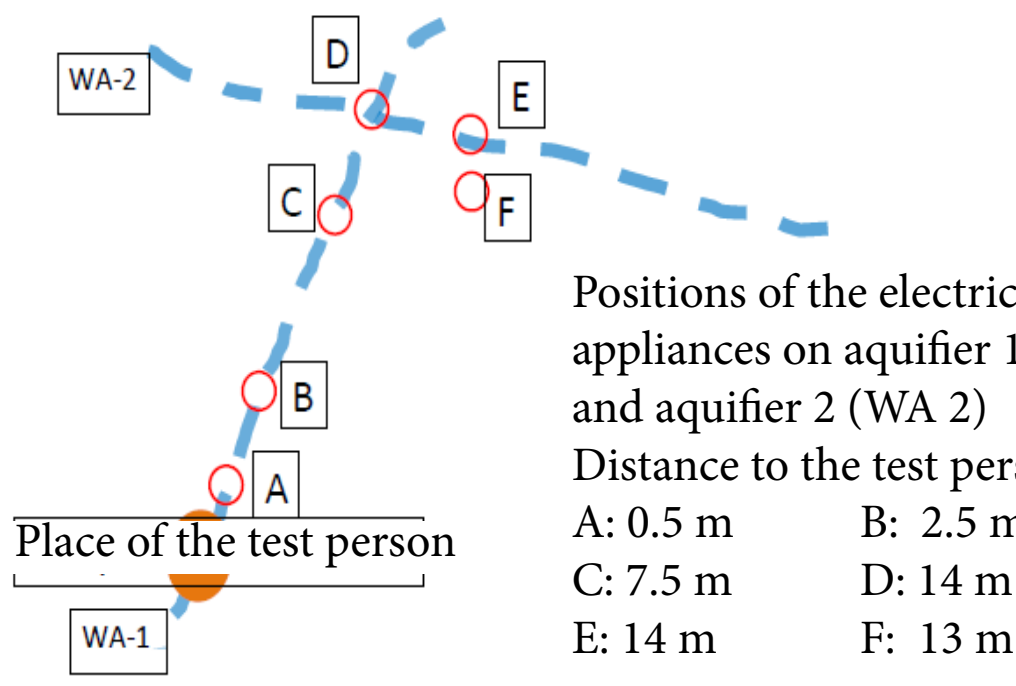


## Electrical devices over aquifers:

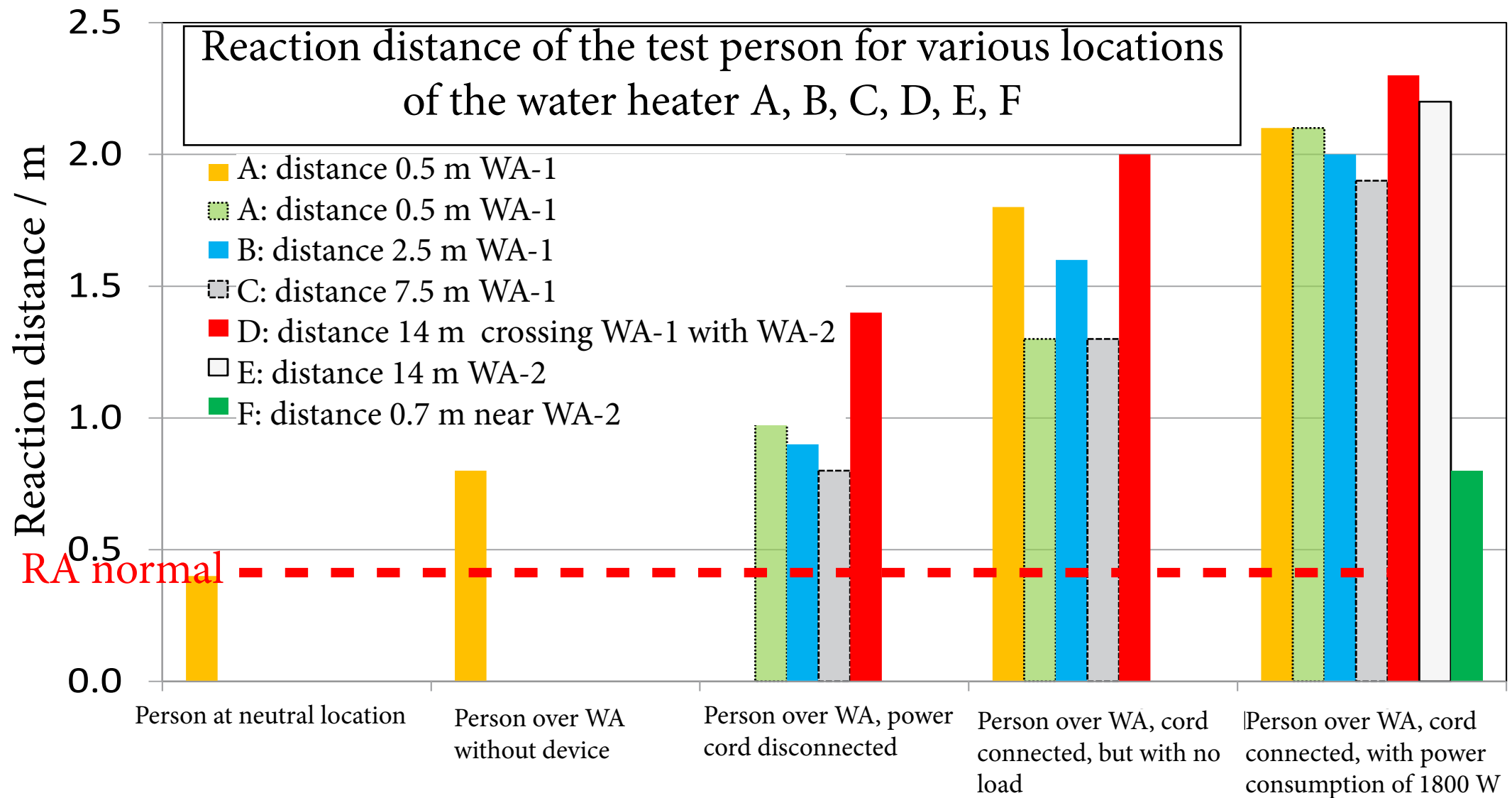
Effect on the reaction distance of persons

Yellow: edges of an aquifer

The electric hot-water kettle is located at the crossing of two aquifers. The distance to the test person is 14 m.



## Electrical devices over aquifers: Effect on the reaction distance RA of persons



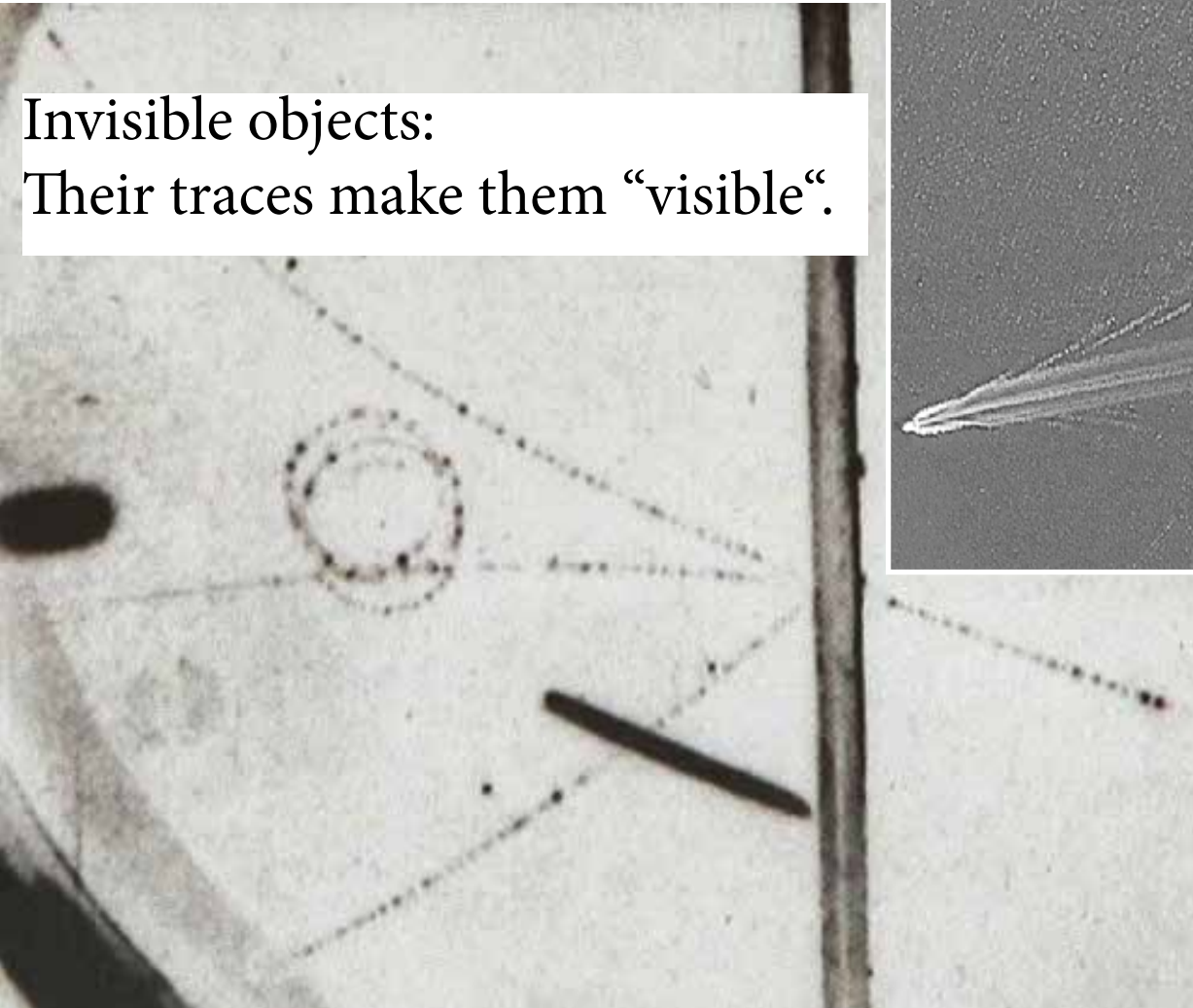
[biosensor/elektrosmog-wasserader.htm](http://biosensor/elektrosmog-wasserader.htm)

elektrosmog-wasserader 14.11.2014 F.Balck

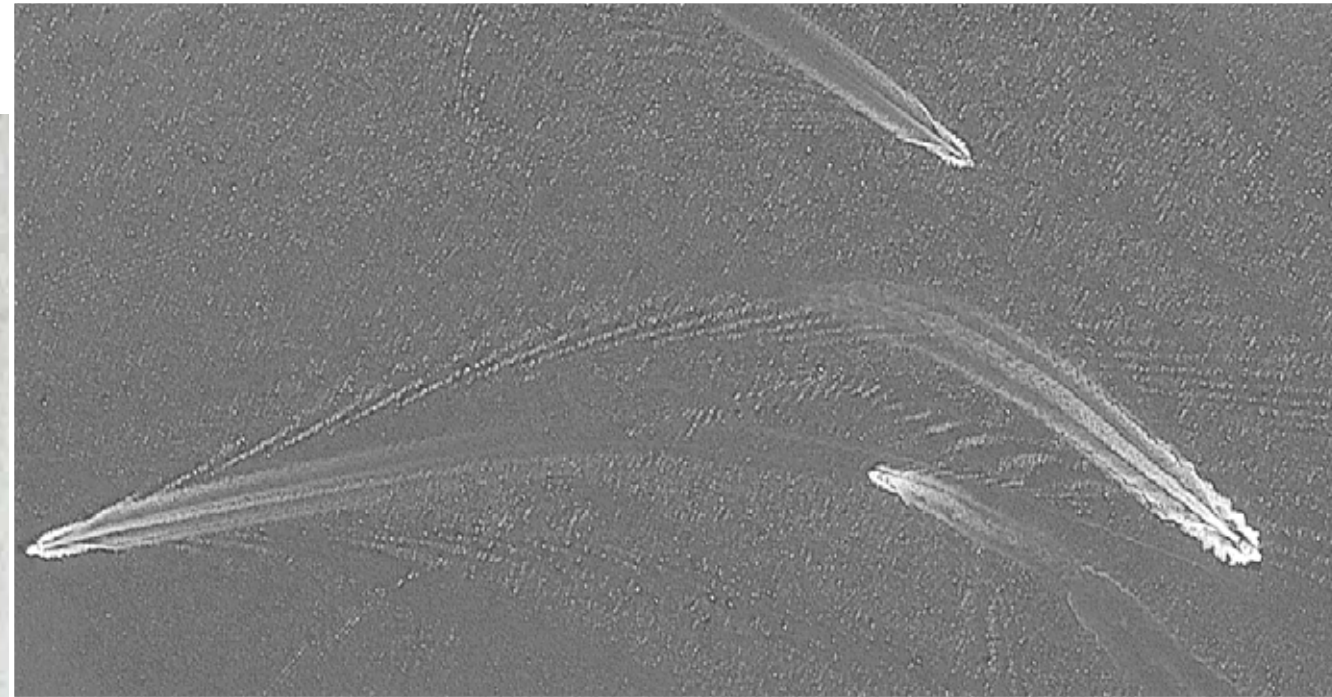


## How to detect matter in motion?

Invisible objects:  
Their traces make them “visible“.



Atlas typischer Nebelkammerbilder 1940 (Gentner et al.)



Above: Waves generated by travelling ships indicate the direction of travel and also allow conclusions concerning the speed.

Left: Photograph of a cloud chamber:  
Tracks of invisible particles allow conclusions concerning the charge, mass, and energy.

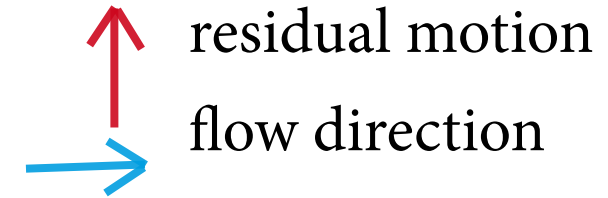
Dowsers are able to distinguish between **left and right** with matter in motion.

Thus, they can perform **new key experiments**.

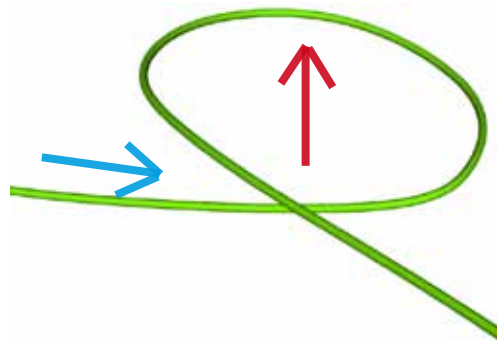
Where is the **information** hidden? Effects with **subtle matter**!

What are the consequences for our **view of the physical world**?

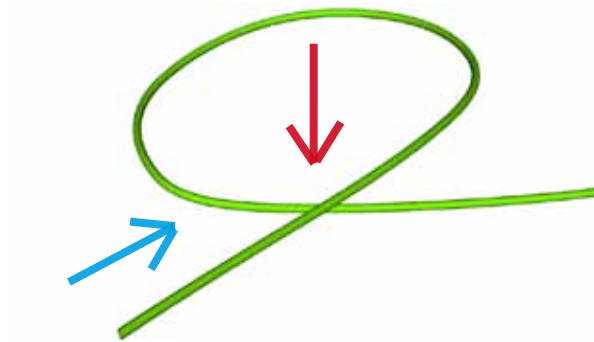
## “Left and right” with a water hose



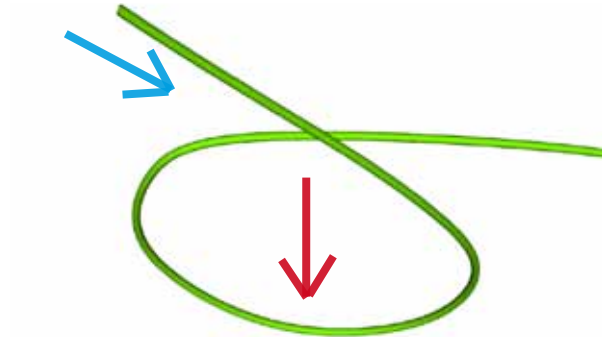
right screw  
left turn, CCW



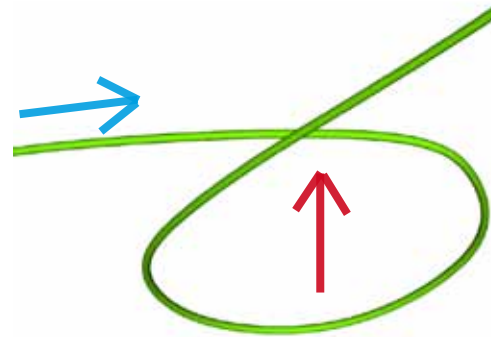
left screw  
left turn, CCW



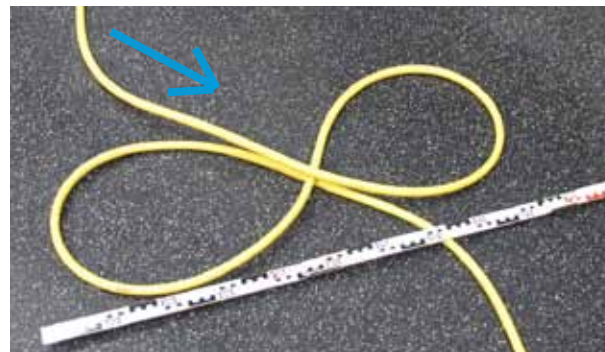
right screw  
right turn, CW



left screw  
right turn, CW



right screw  
right turn



left screw  
left turn

CCW CounterClockWise  
CW ClockWise

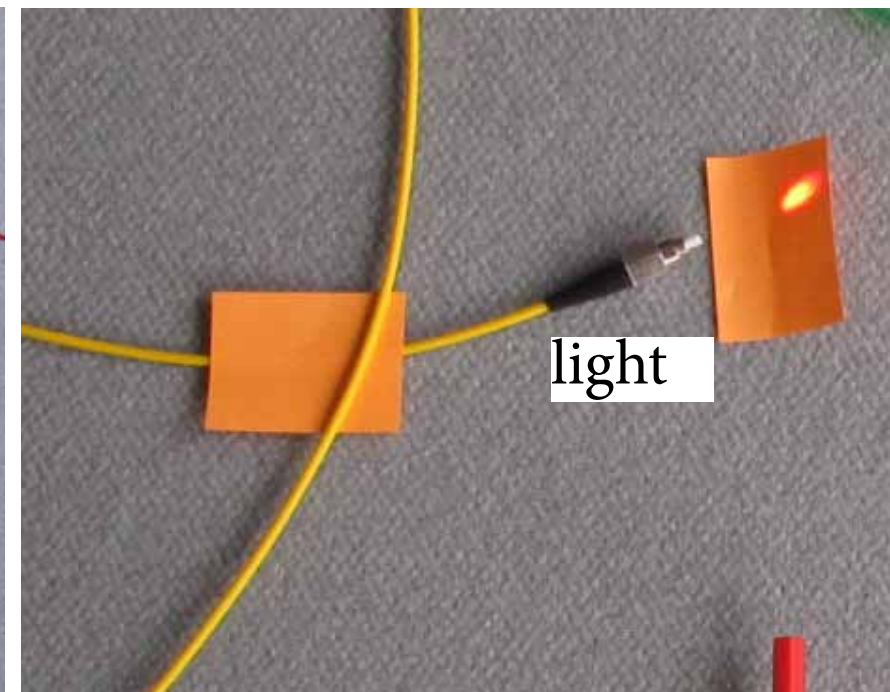
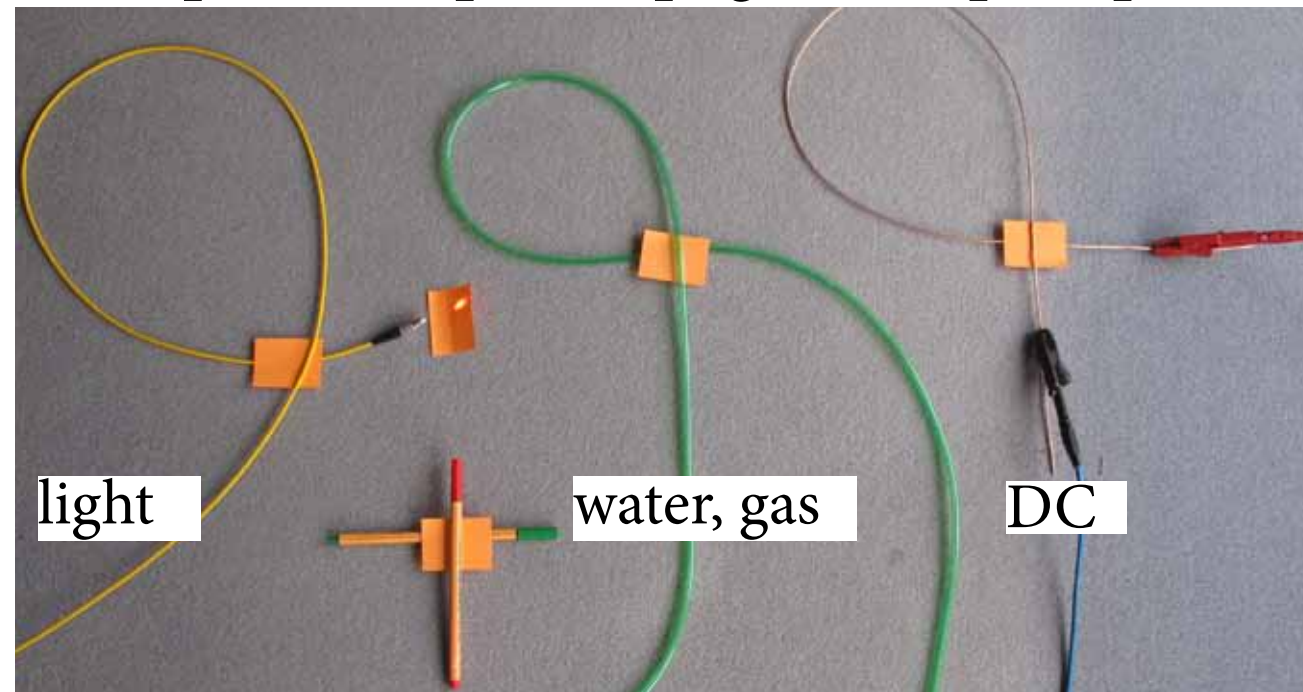


## “Left and right“ with spirals and loops

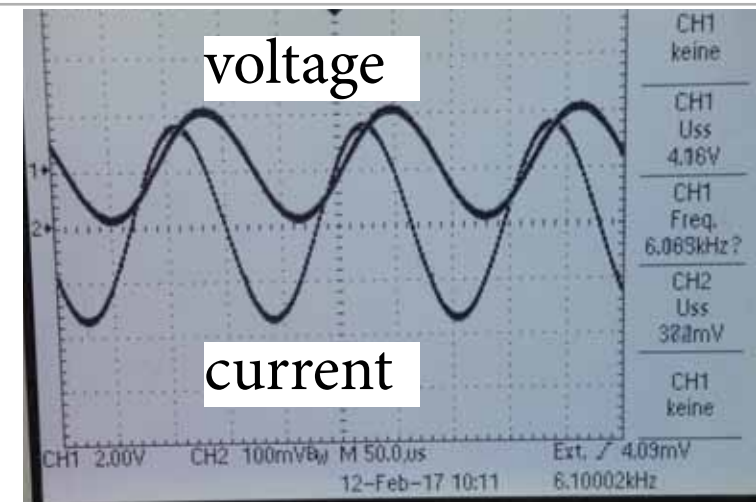
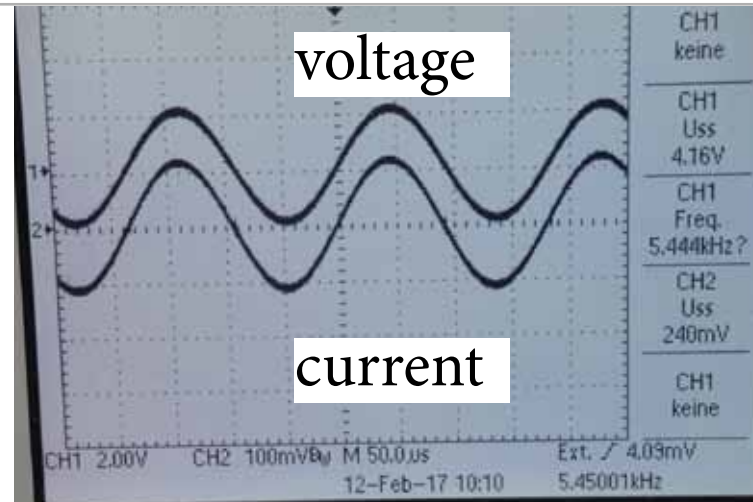
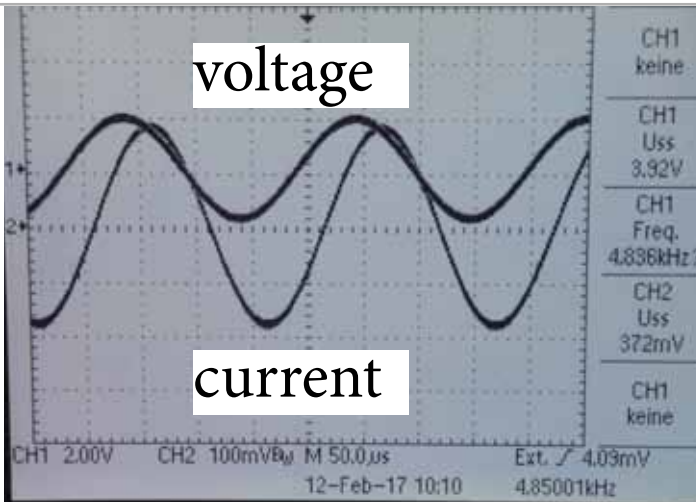
- water or air hoses,
- electrical conductors,  
with direct (DC) and  
alternating current (AC)
- light beams or fibre optics
- 



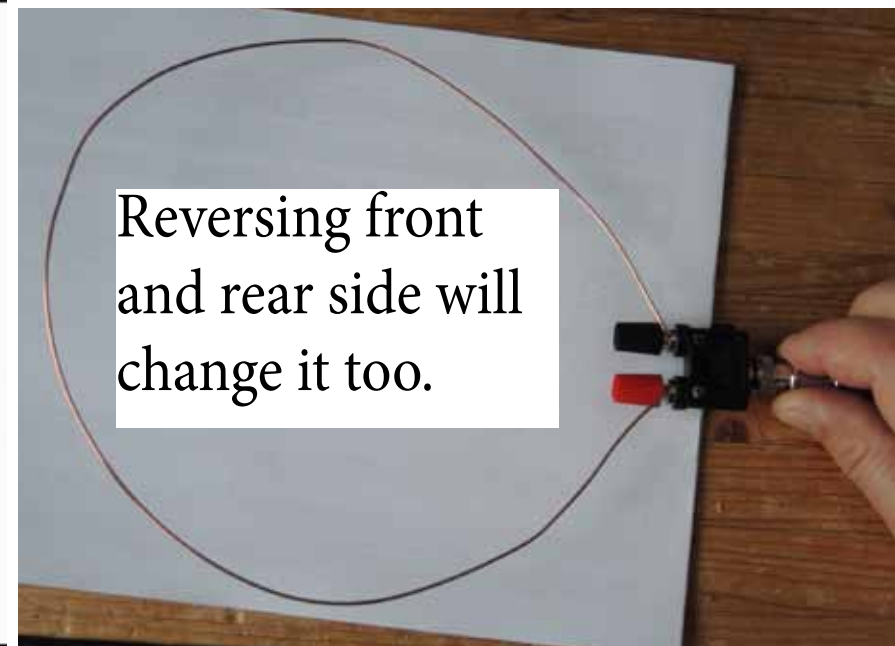
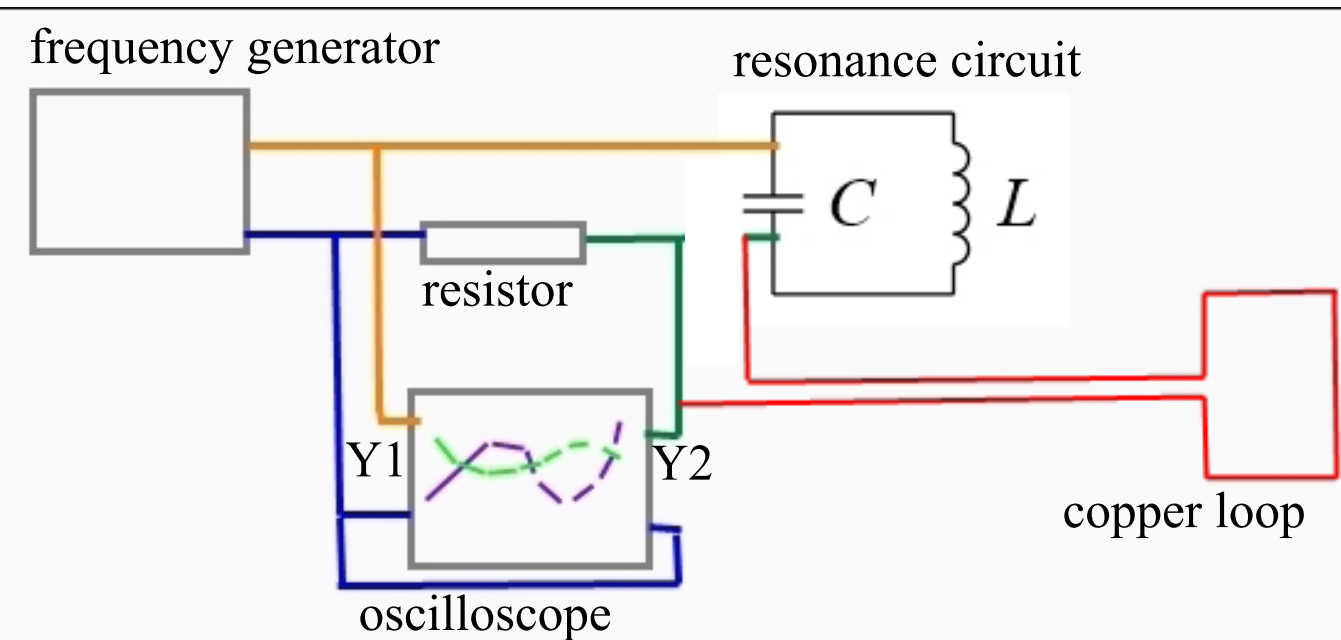
Spirals or open loops generate perceptible “vortex zones”.



# Traces around matter in motion



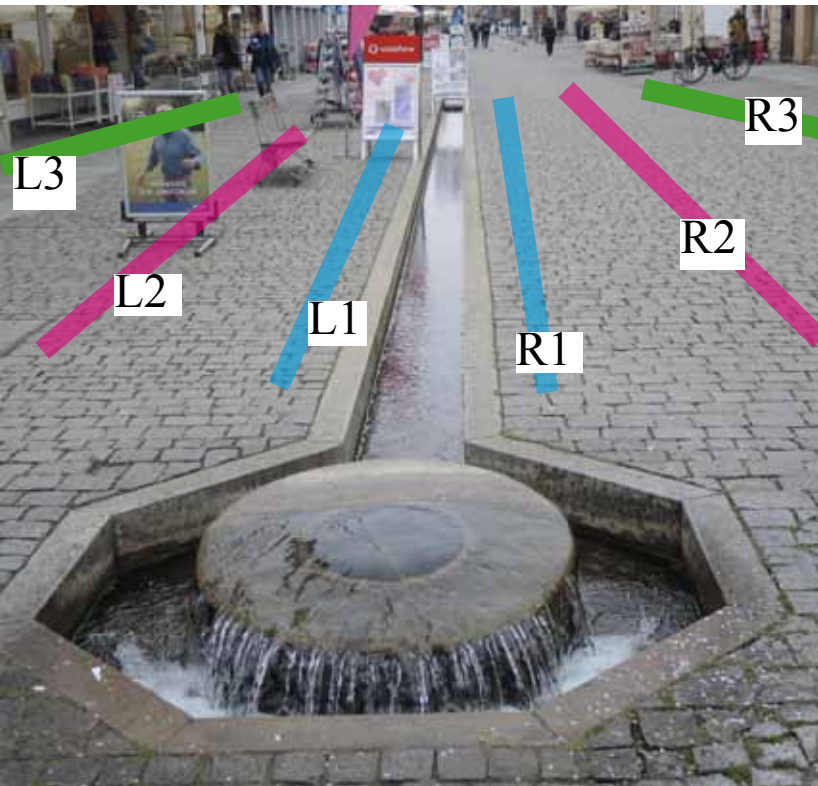
The property “left and right” in a loop with alternating current depends on the sign of the phaseshift between current and voltage.



# Experiments with artificial water veins



# Experiments with artificial water veins

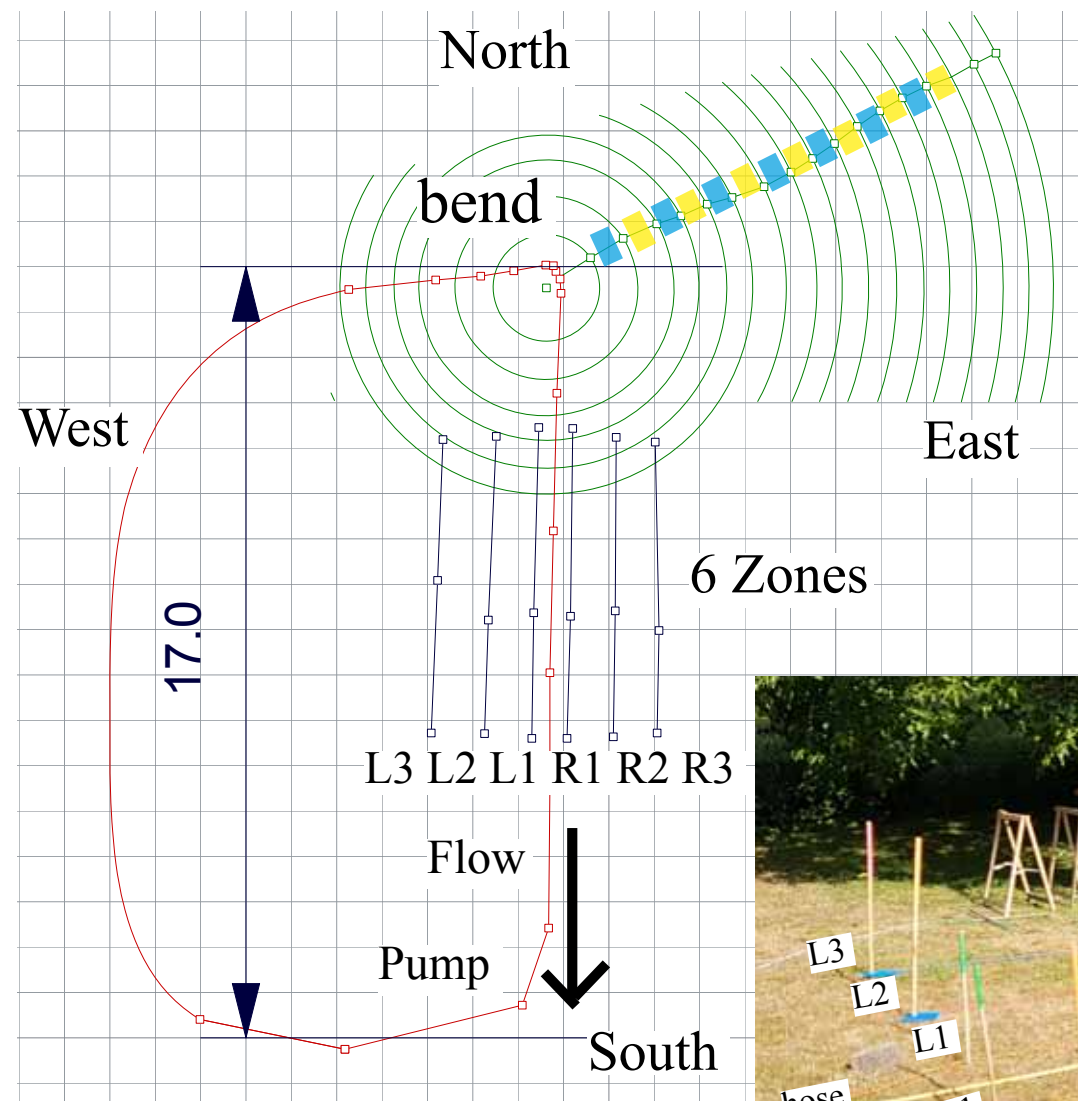


City of Forchheim,  
Germany



Structures  
around  
flowing water

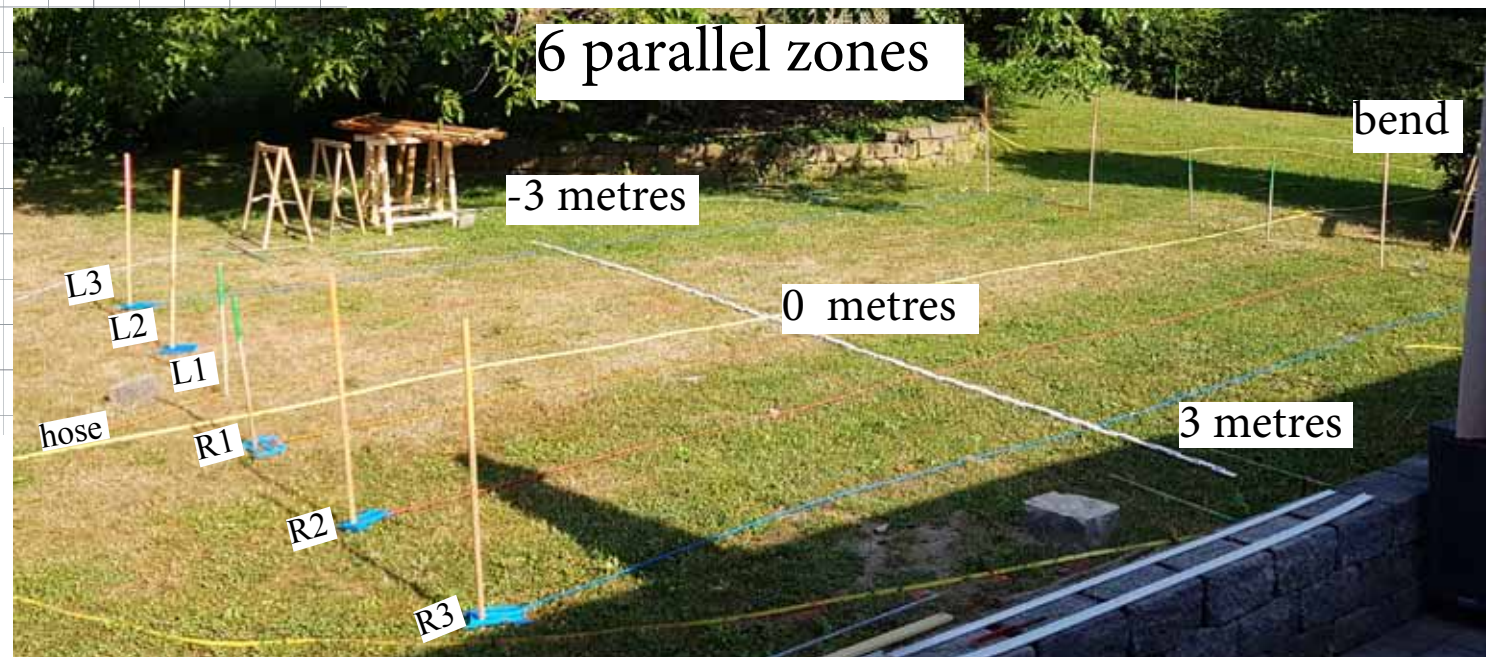




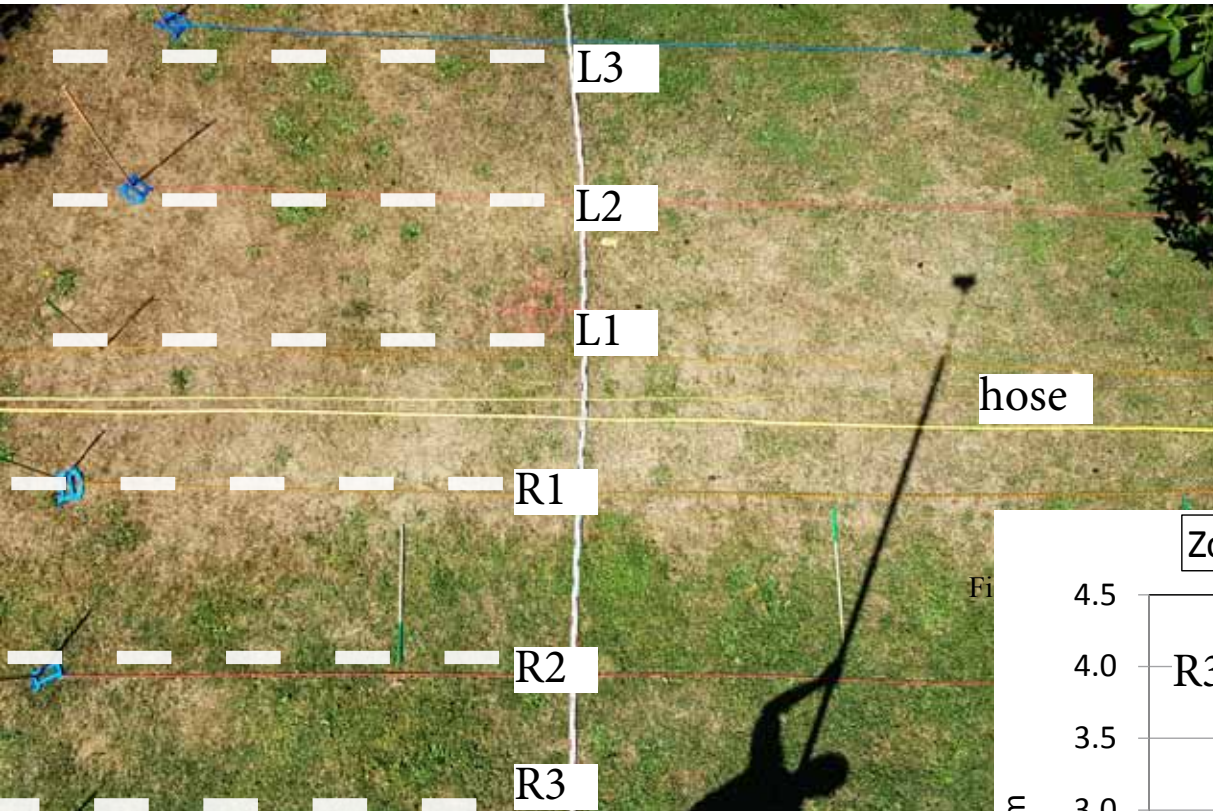
Water hose 1/2 inch

Two types of structures:

- parallel zones
- concentric rings with vortex cells

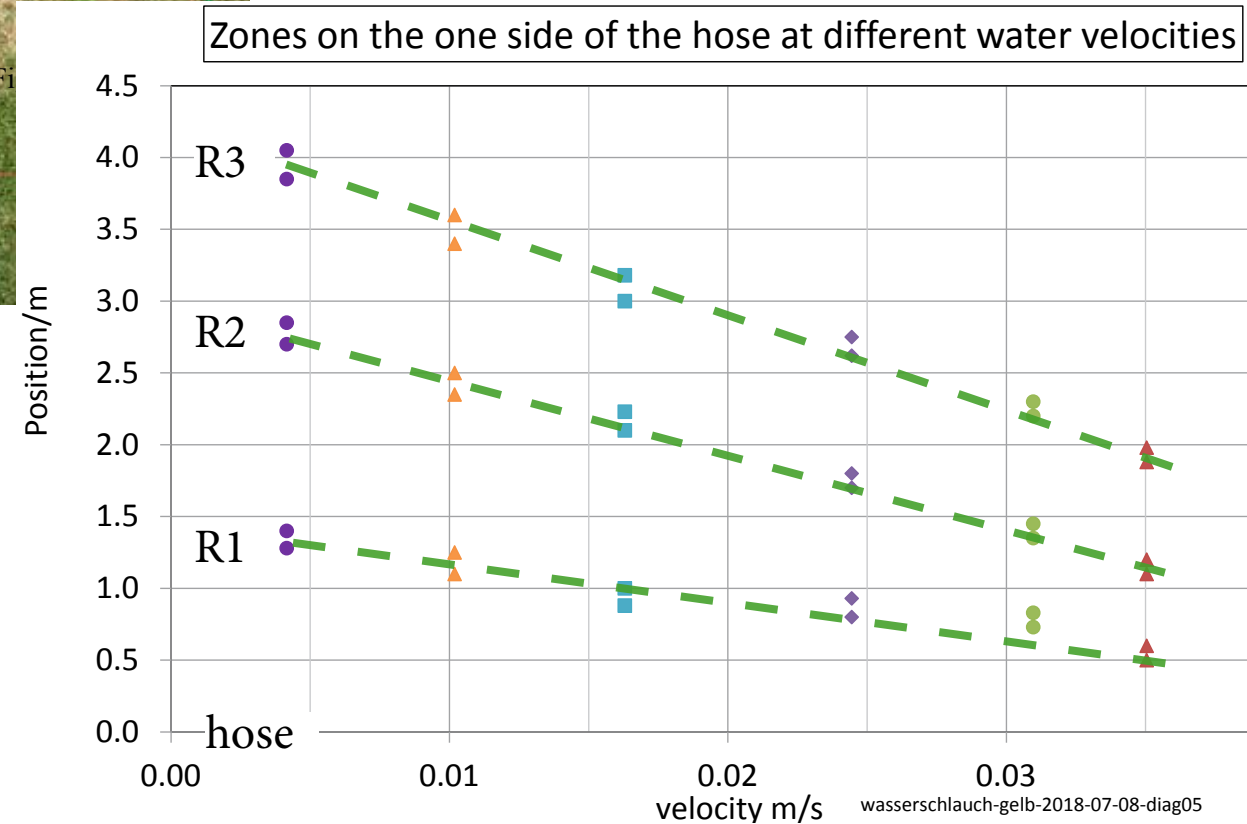


# Experiments with artificial water veins

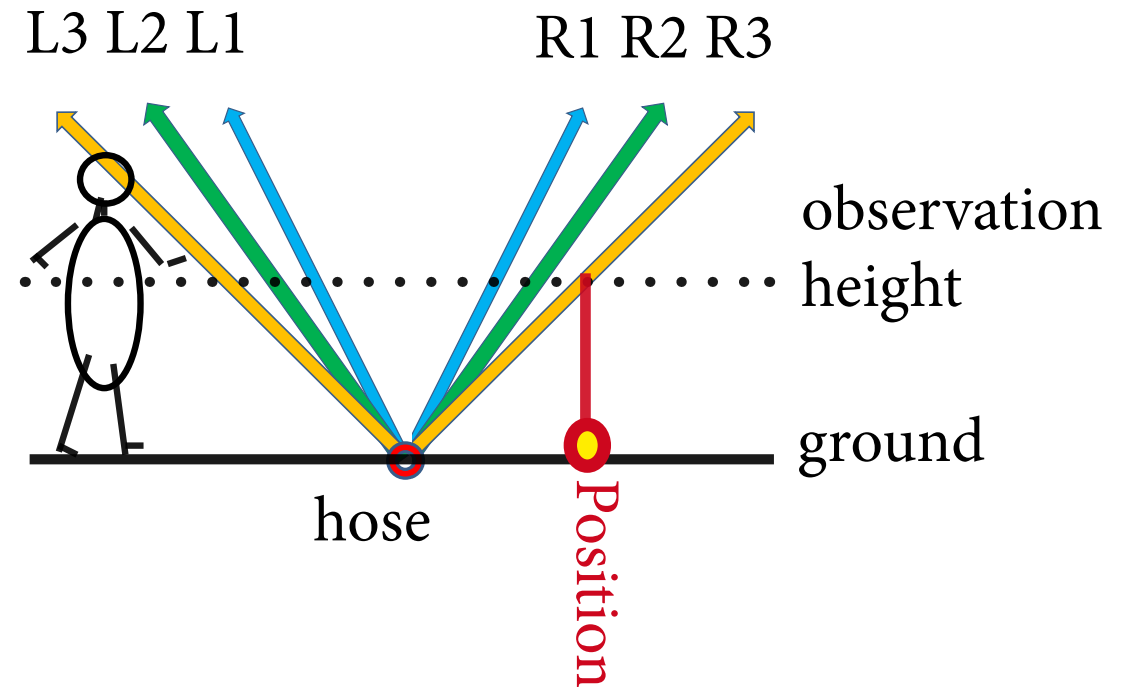
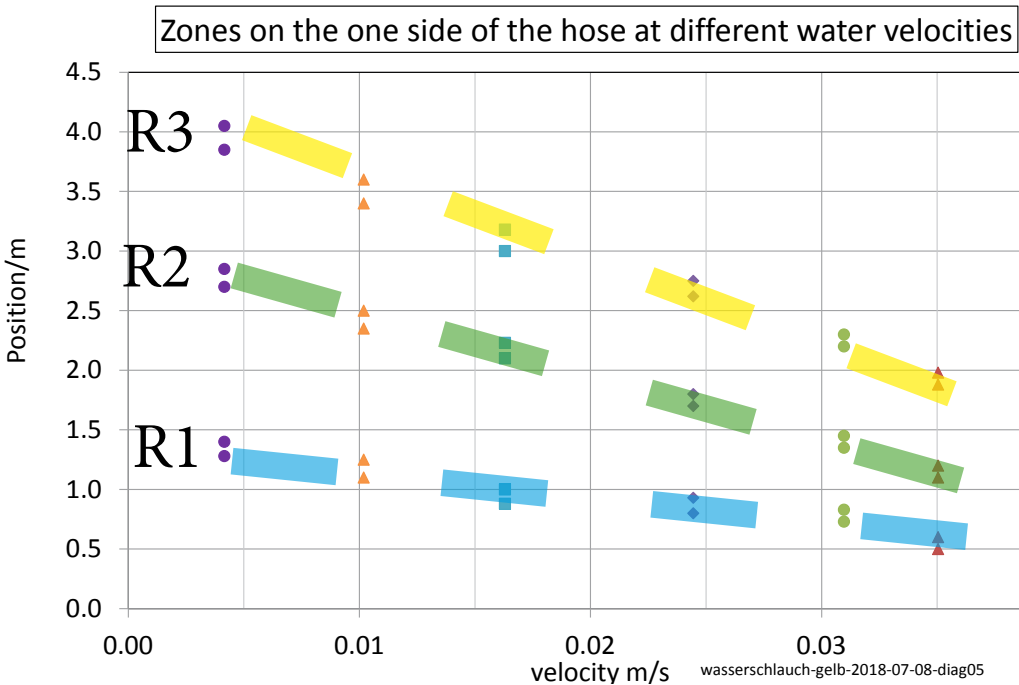


6 parallel zones

The distance depends on the water velocity.

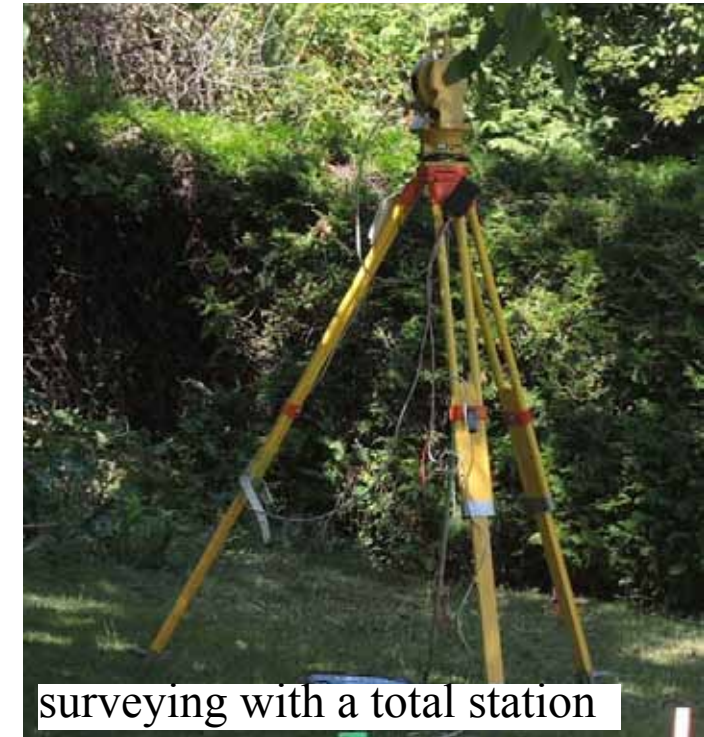
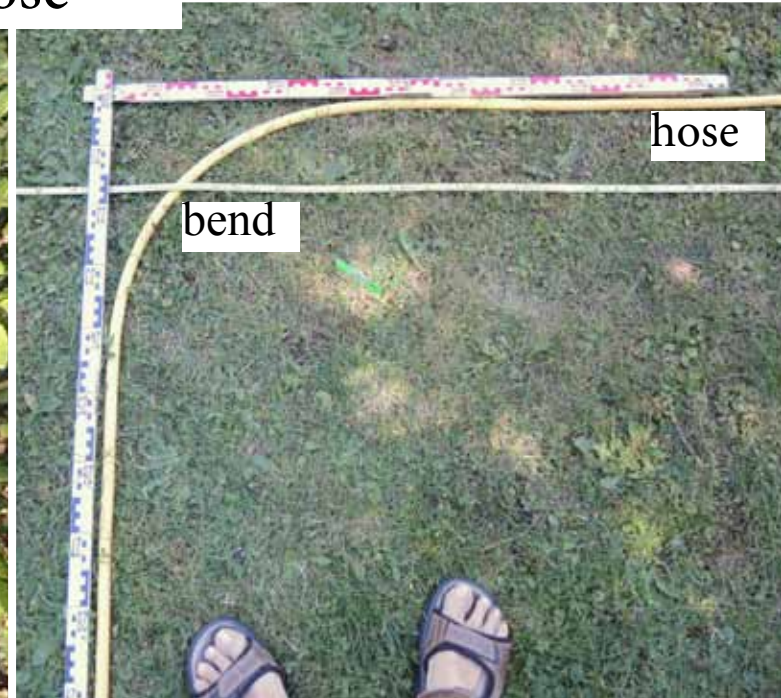
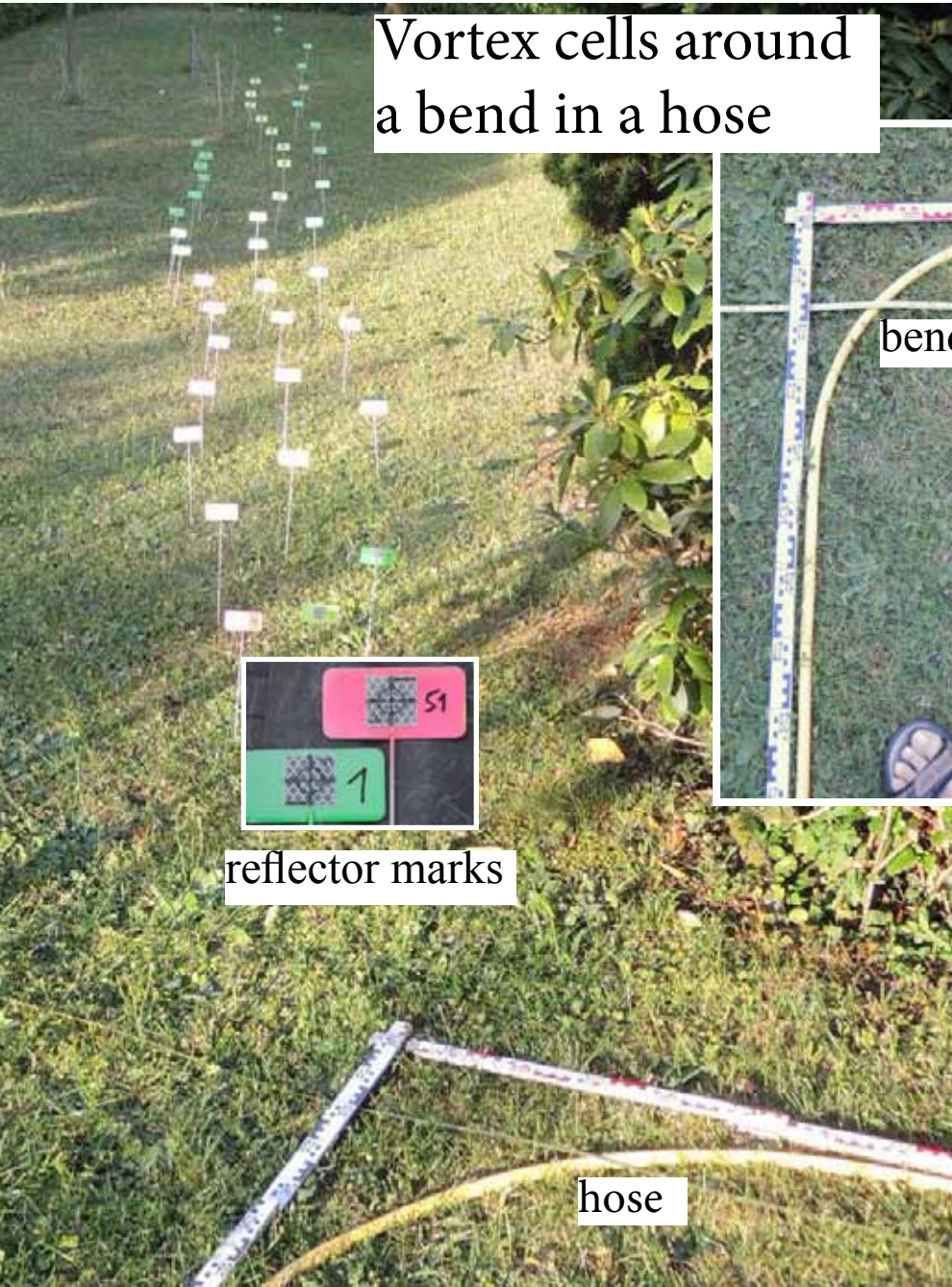






The higher the velocity, the smaller the distance to the hose.  
That means: The **angle grows with the velocity**.

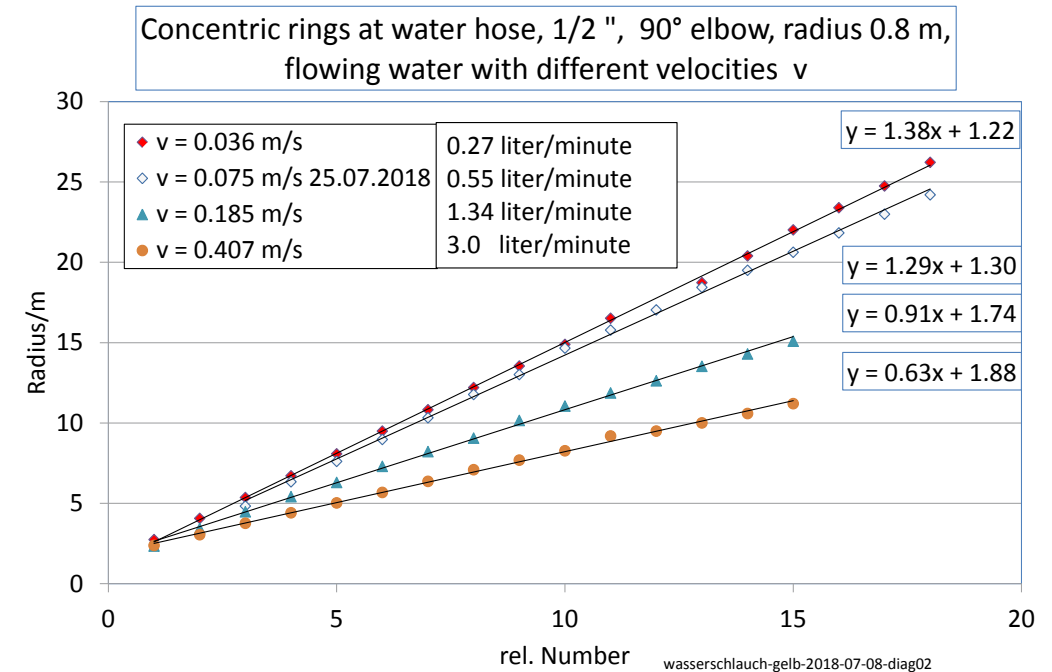
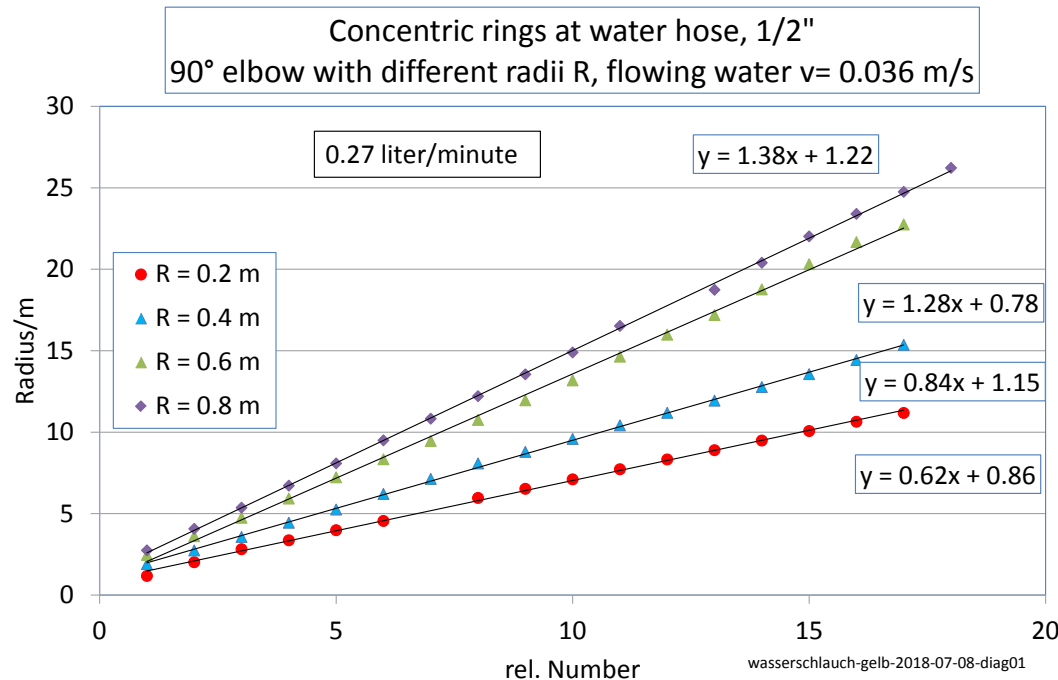
Vortex cells around  
a bend in a hose



Three rows of reflector marks  
corresponding to three different  
velocity values, each marking  
one point on a ring;  
left of centre: shorter period;  
right: longer



## Radii of the ring-shaped structure versus bend radius and water velocity

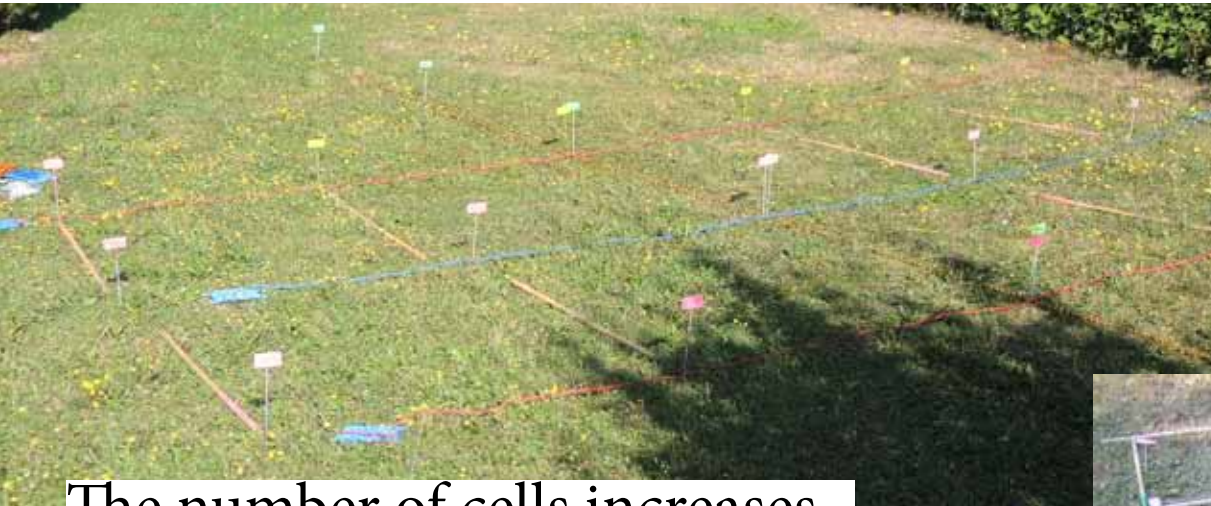


Different **radius** of curvature at the bend.  
The average distances between the rings are 0.62 m; 0.84 m and 1.28 m  
**The smaller the radii, the smaller the steps.**

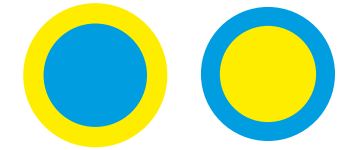
Different **velocities**  $v$ .  
The average distances between the rings are 0.63 m; 0.91 m and 1.29 m  
**The smaller the velocity, the higher the steps.**



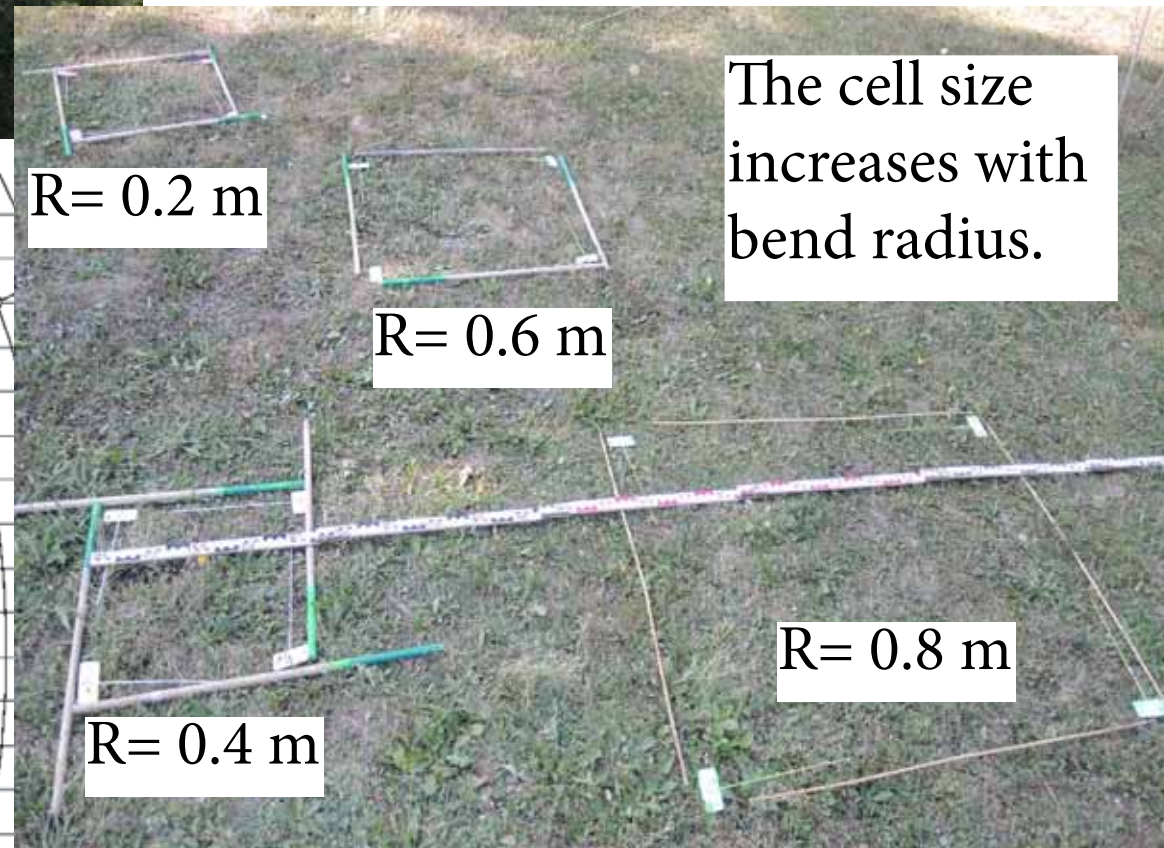
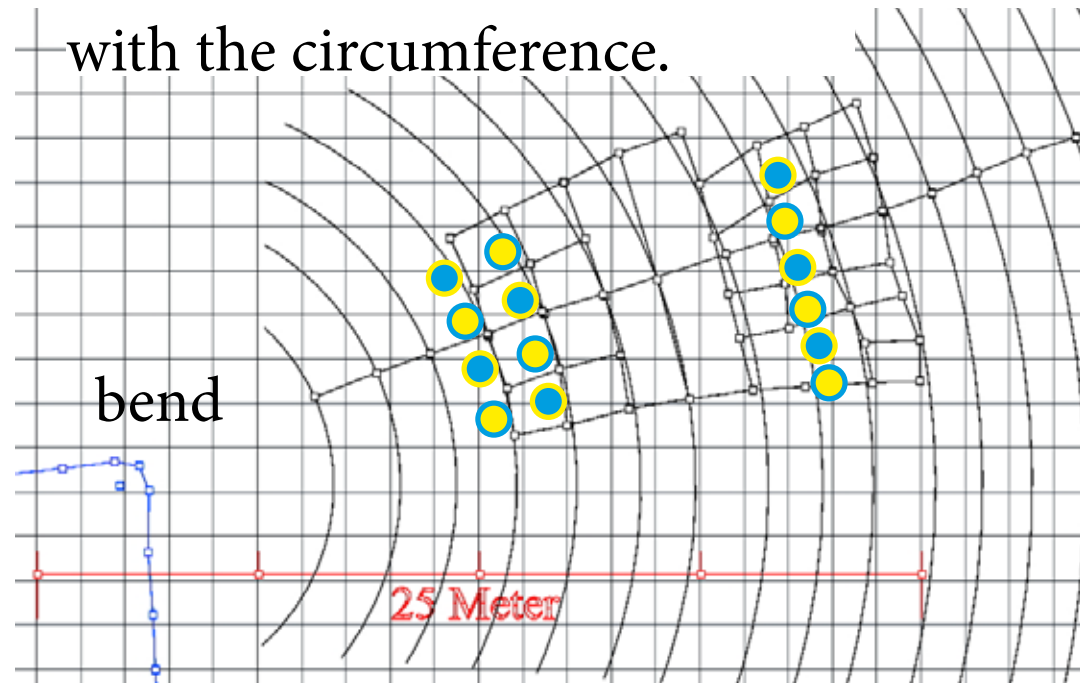
## Vortex cells around a bend in a water hose



Each cell has an internal and external vortex structure with opposed properties. Adjacent cells behave complementarily.

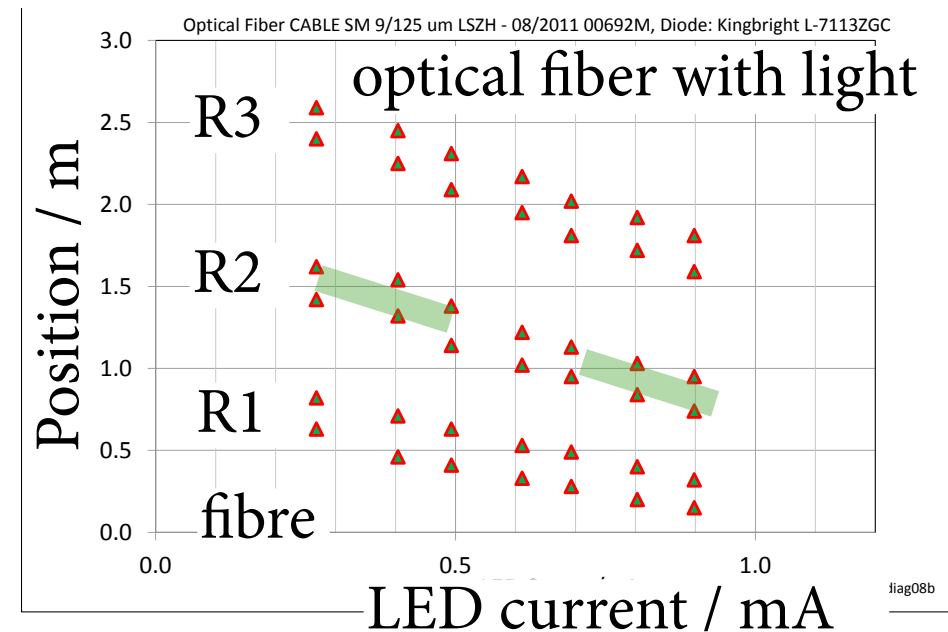
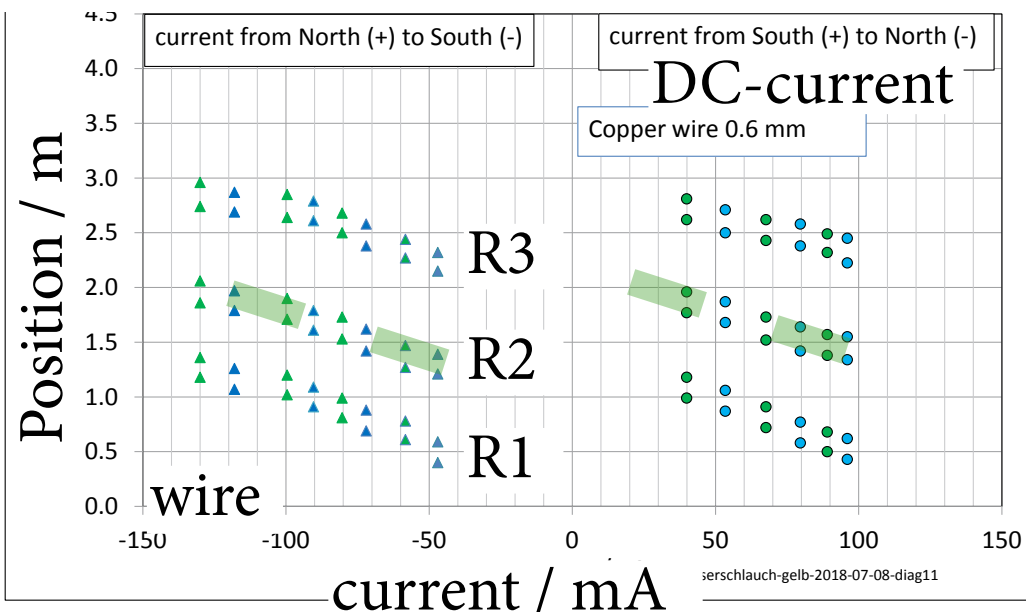
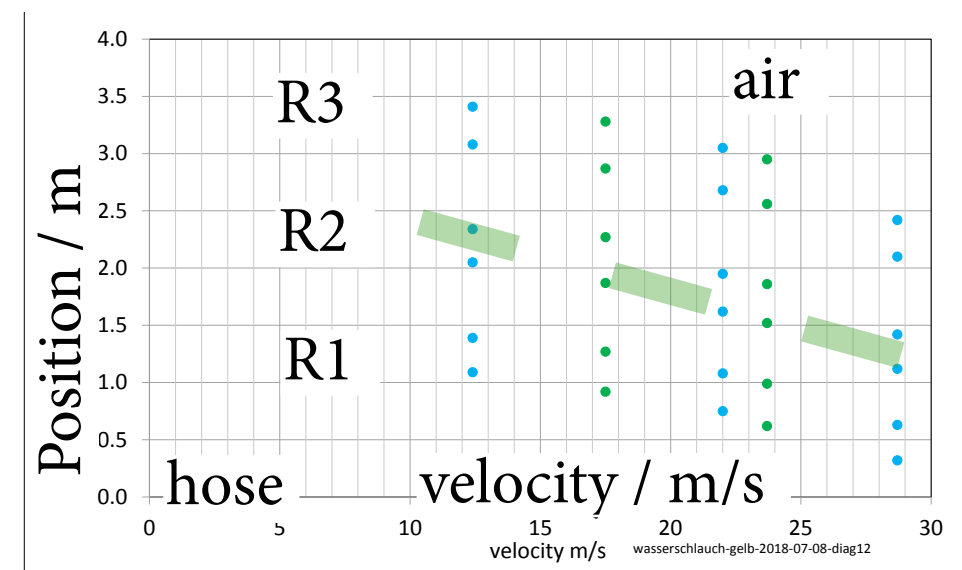
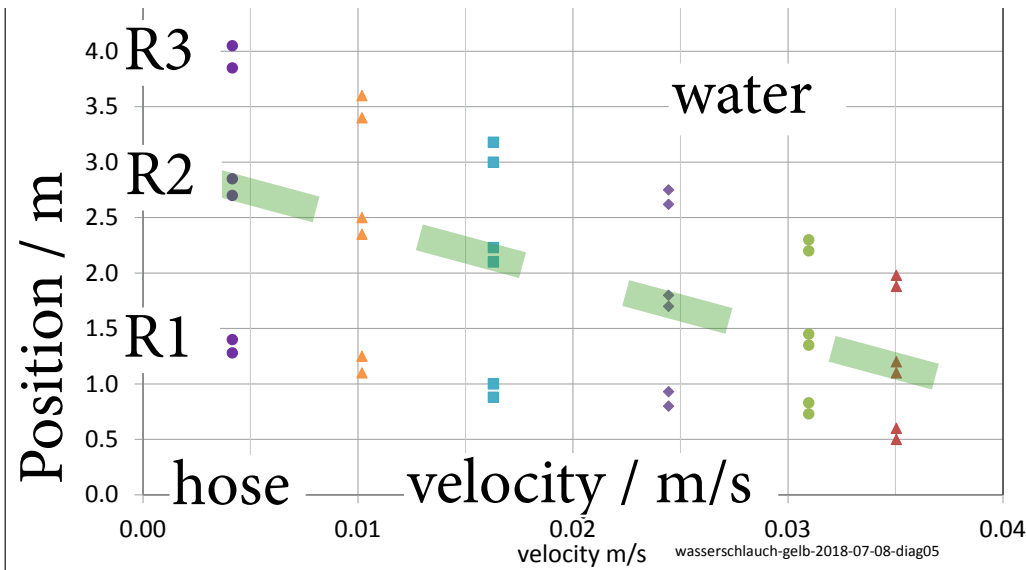


The number of cells increases with the circumference.



The cell size increases with bend radius.

## Similar zones with water, air, DC-current and light

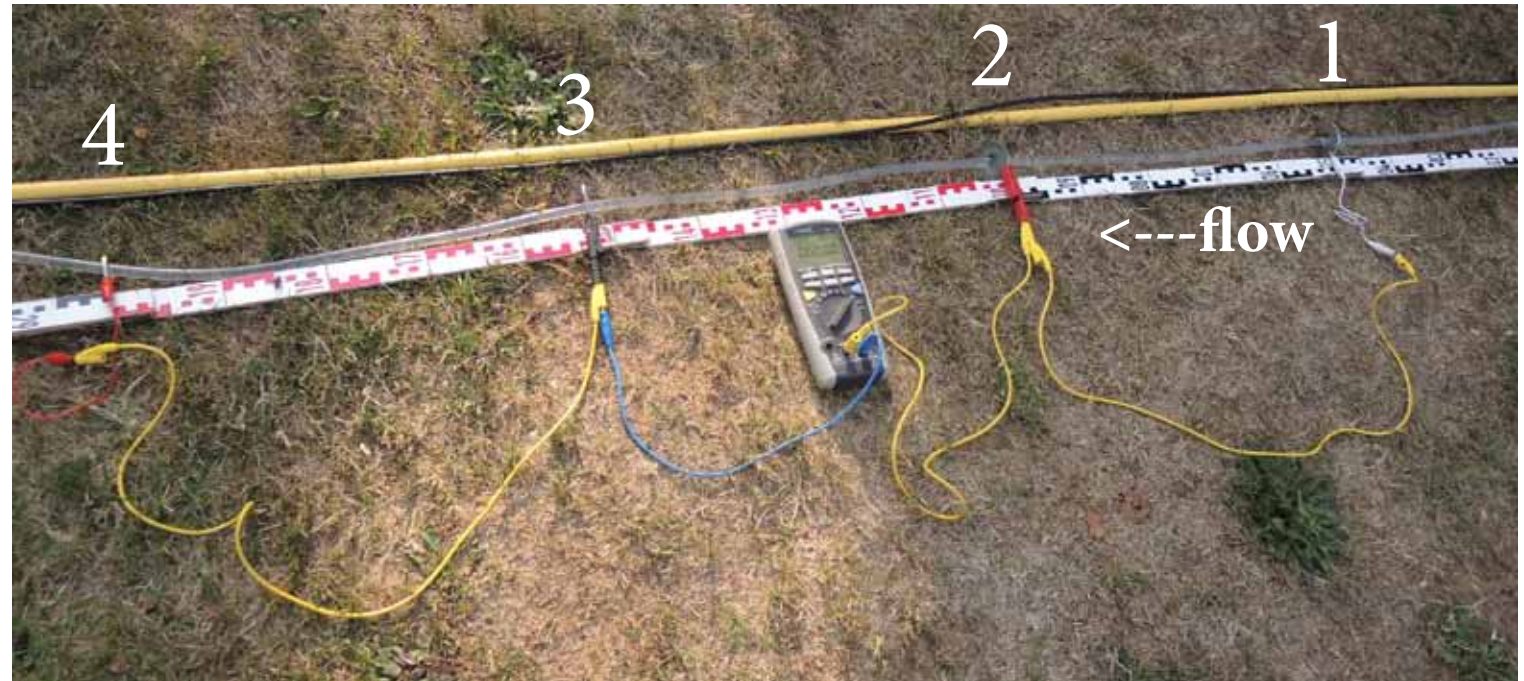




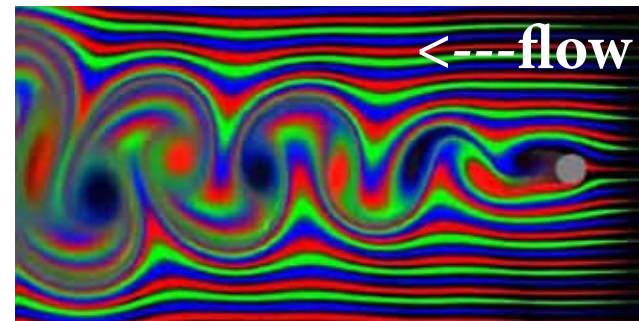
## Flowing Water, effects with “obstacles” for subtle matter



hose and washer  
normal use: pipe clamp



4 washers, equidistant, create **vortex zones**.  
The effect changes when electrically connected.



[https://upload.wikimedia.org/wikipedia/commons/thumb/b/b3/Karman\\_Vortex\\_Street\\_Off\\_Cylinder.ogv/200px--Karman\\_Vortex\\_Street\\_Off\\_Cylinder.ogv.jpg](https://upload.wikimedia.org/wikipedia/commons/thumb/b/b3/Karman_Vortex_Street_Off_Cylinder.ogv/200px--Karman_Vortex_Street_Off_Cylinder.ogv.jpg)



## Summary

Moving matter generates traces in subtle matter.

Biological sensors can detect them.

Some traces can be harmful to one's health.

- Experiments with sensitive persons can expand our experimental capabilities and sharpen the senses to **another view of the physical world.**
- The experimental results suggest the existence of subtle matter.
- We can create a **healthier environment** if the perceptions of sensitive people were used as a basis for further research.
- Geopathic structures, such as **aquifers, faults in rock strata, and grids** function as **wave guides.**
- **Water veins** are surrounded by multiple structures like **zones and vortex cells.** They can be “infected“ by technical devices and have **impact on human health.**
- These structures distribute the electric smog generated by technical devices over distances of **many metres.**
- For decreasing the effect of these structures on humans, displacement of the technical devices by only a **few decimetres** from the geopathic structures is often sufficient.
- **Flowing water, moving air, electrical current and light** have similar zones: **Thus all of this matter in motion shows equal properties.**  
**This is a very new physical aspect.**



The authors wish to thank the Forschungskreis für Geobiologie for the financial support.

I especially wish to thank the participants in the experiments and discussions.

In particular, I wish to thank Mrs. Engelsing for her engagement, her encouragement, and her constructive criticism.

Thank you for your attention

Further information: [www.biosensor-physik.de](http://www.biosensor-physik.de)