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Self employed

**Effects of repulsion and attraction between spinning objects in fluid medium**

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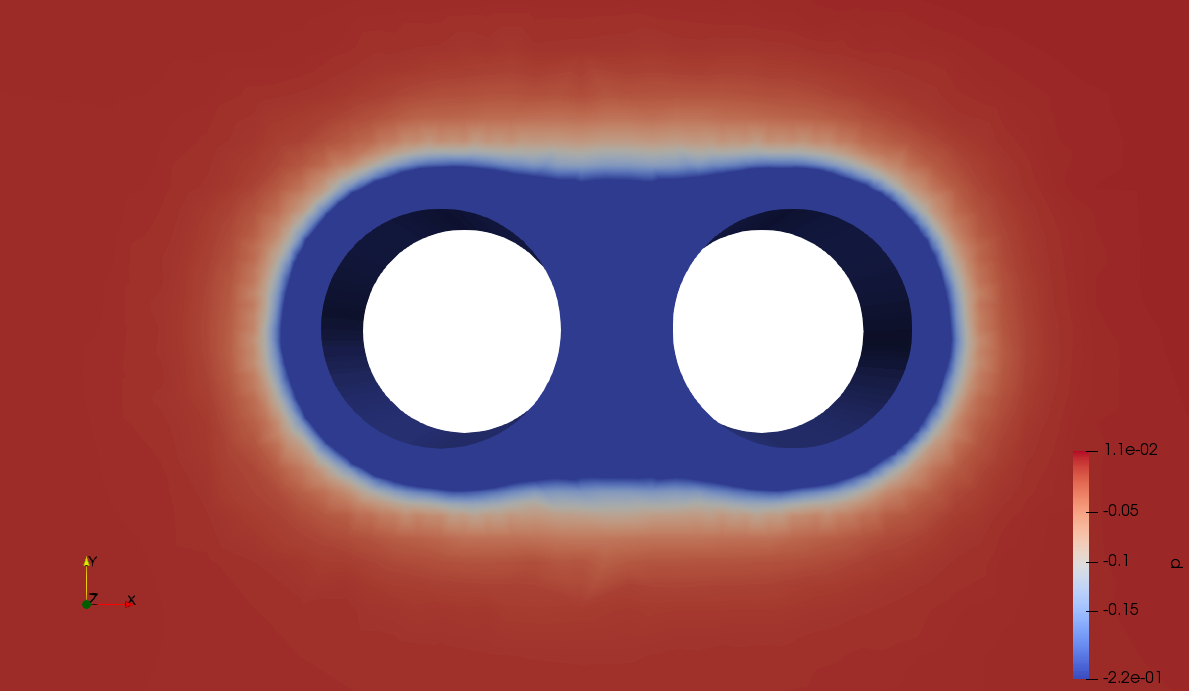
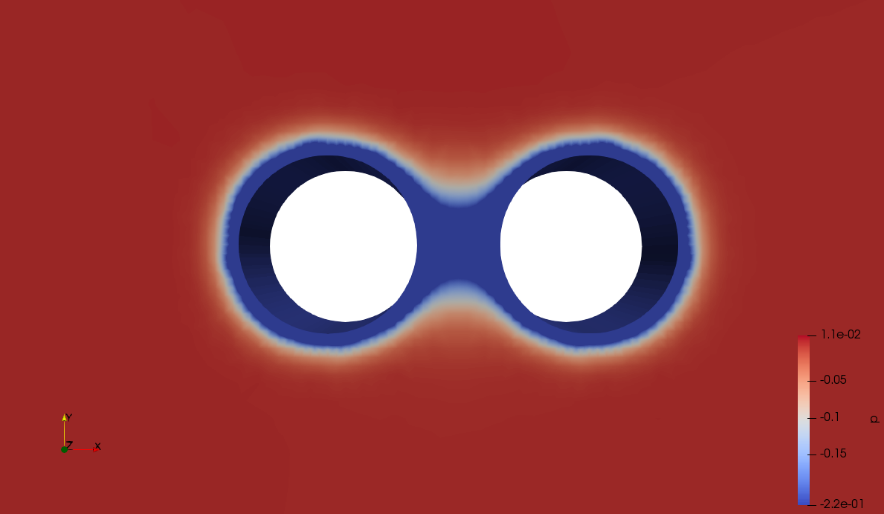
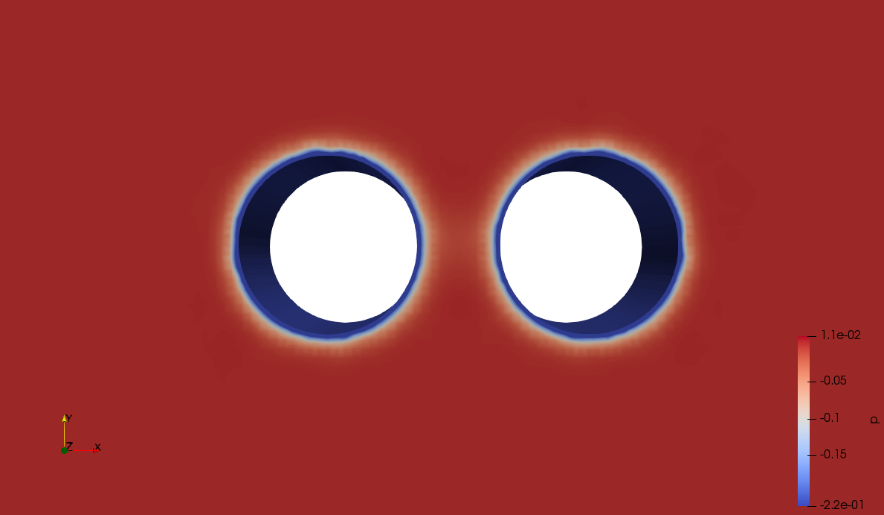
**Abstract**

**Purpose.** The purpose of this study is to investigate behavior of spinning pair objects in the fluid medium. This study was inspired by magnetic effects caused by "spin" property of electrons.

**Methods.** Pair of plastic cylinders that driven by motors are powered on and spin close to each other in air at an atmospheric pressure. Speed of spinning is less than 30% Mache number, and fluid compressibility wasn’t take in count.

**Results.** Low air pressure between spinning object causes effect attraction, and high air pressure between spinning object causes effect of repulsion found in this study and dependency between direction of spinning object and observed ​effects that reproduced by numerical simulation.

**Conclusions.** Observed repulsion and attractioneffects could be used as analogy to magnetic repulsion and attractioneffects between two wires.

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