

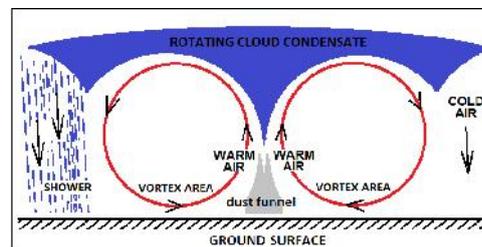
**МОДЕЛИРОВАНИЕ ТРЕХМЕРНОЙ
ВИХРЕВОЙ СТРУКТУРЫ**

[1 – 3],

(. 1, 2).



. 1.



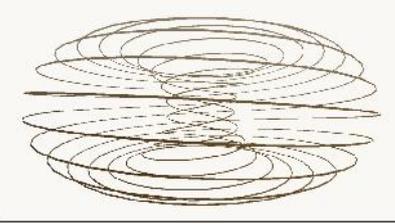
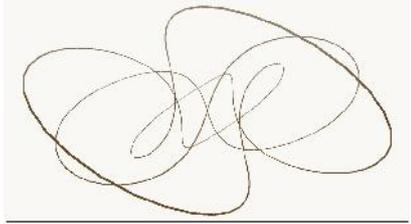
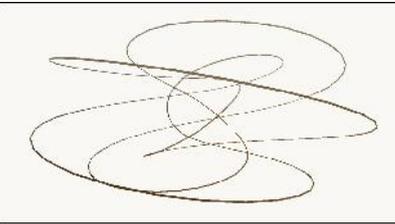
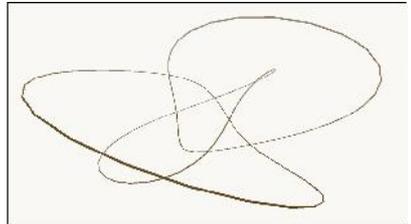
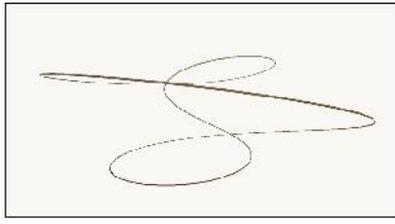
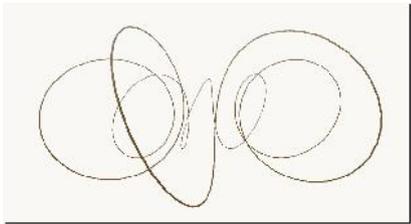
. 2.

3.

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5.

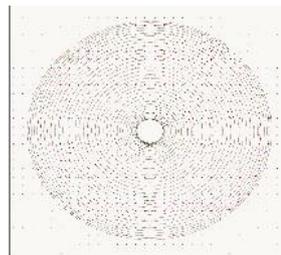
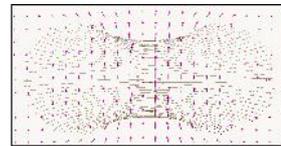
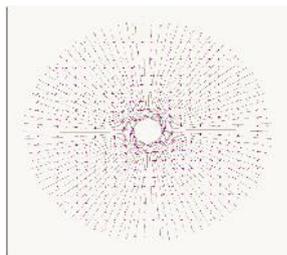
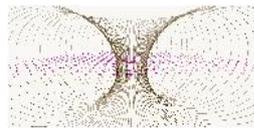
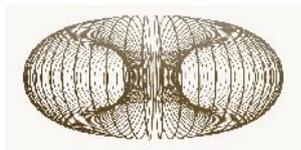
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4.

(2).

6, -



6. -
N = 1, 1

90

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7. -
N = 1, 1

70

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7. Cherniy D.I., Meleshko V.V., Dovgiy S.A. Topological Aspects of the Vortex Structure of Tornado. *Book of Abstracts, IUTAM-Symposium "Hamiltonian dynamics. Vortex structure. Turbulence"*, Steklov Mathematical Institute of RAS, MOSCOW, August 25 – 30, 2006. . 378 – 381.
 8. Cherniy D.I., Meleshko V.V., Dovgiy S.A. Topological Aspects of the Vortex Structure of Tornado. *Journal of Applied Mechanics*. 2004. . 2(91). . 81.
 9. Cherniy D.I., Meleshko V.V., Dovgiy S.A. Topological Aspects of the Vortex Structure of Tornado. *Book of Abstracts, IUTAM-Symposium "Hamiltonian dynamics. Vortex structure. Turbulence"*, Steklov Mathematical Institute of RAS, MOSCOW, August 25 – 30, 2006. . 69 – 71.
 10. Cherniy D.I., Meleshko V.V., Dovgiy S.O. Topological aspects of the tornado problem. *Abstract Book and CD-ROM Proceedings, FM23 12868, 21-st International Congress of Theoretical and Applied Mechanics. (21-st ICTAM, 2004 Warsaw), August 15 – 21, 2004. Warsaw, Poland.* . 176.
 11. Cherniy D.I., Meleshko V.V., Dovgiy S.O. Topological aspects of the tornado problem. *Abstract Book and CD-ROM Proceedings, FM23 12868, 21-st International Congress of Theoretical and Applied Mechanics. (21-st ICTAM, 2004 Warsaw), August 15 – 21, 2004. Warsaw, Poland.* . 176.
 12. Dovgiy S.O., Lyashko S.I., Cherniy D.I. Algorithms of Discrete Singularities Method of Computational Technologies. *Cybernetics and System Analysis*. 2017. N 6. . 147 – 159.

19.06.2018

Об авторах: