

**СПИСОК НАУЧНЫХ РАБОТ
ТУРЛАПОВА ВАДИМА ЕВГЕНЬЕВИЧА**
близких к теме диссертации

1. *Gavrilov N.I., Vasiliev E.P., Khramov I.V., Getmanskaya A.A., Turlapov V.E.* Visual analytics and segmentation of color biomedical high resolution cryoimaging scans // *Scientific Visualization*, (2017) 9 (5), pp.105-116
2. *Nosova S., Turlapov V.* Parallel 2D Ray Casting Algorithm for Brain Cell Registration with Brodmann's Layer Decomposition from Nissl-stained Mouse Cortex Images // *Procedia Computer Science*. 2017. С. 215-223.
3. *Лачинов Д.А., Белокаменская А.А., Турлапов В.Е.* Точный автоматический алгоритм детектирования цефалометрических точек на КТ-изображениях // 27-я Международная конференция по компьютерной графике и машинному зрению, GraphiCon'2017. Труды, с.275-278
4. *Ulyanov D., Bogolepov D., Turlapov V.* Interactive vizualization of constructive solid geometry scenes on graphic processors // *Programming and Computer Software*. 2017. 43(4). С. 258-267.
5. *Nosova S., Snopova L., Turlapov V.* Automatic detection of neurons, astrocytes, and layers for NISSL-stained mouse cortex // *Journal of WSCG* 2017, 25(2), с.143-150
6. *Vasil'ev, E.P., Belokamenskaja, A.A., Novozhilov, M.M., Turlapov, V.E.* A parallel algorithm for 3D reconstruction of internal organs according to imaging based on the active contour model // *CEUR Workshop Proceedings* (2016) 1576, с. 482-489
7. *Белокаменская А.А., Новожилов М.М., Турлапов В.Е.* Параллельный алгоритм реконструкции наружной поверхности органа, имеющей неоднородную плотность, на основе лучевого метода //Параллельные вычислительные технологии (ПаВТ'2016). Тр. межд. науч. Конф. 2016. С.758
8. *Ulyanov D.Y., Bogolepov D.K., Turlapov V.E.* Spatially efficient tree layout for GPU ray-tracing of constructive solid geometry scenes / *CEUR Workshop Proceedings* (2016) 1576, с. 388-395
9. *Turlapov, V.E., Gavrilov, N.I.* 3D scientific visualization and geometric modeling in digital biomedicine // *Scientific Visualization*, (2015) 7 (4)
10. *Gavrilov, N., Turlapov, V.* Development of high-performance GPU-based technique for morphological research of biological objects (2015) *CEUR Workshop Proceedings*, 1482 , p.602/
11. *Gavrilov, N.I., Turlapov, V.E.* Novel approach to development of direct volume rendering algorithms based on visualization quality assessment // *Programming and Computer Software*, (2014) 40 (4), pp. 174-184.
DOI: 10.1134/S0361768814040045.
12. *Bogolepov, D., Ulyanov, D., Sopin, D., Turlapov, V.* GPU-optimized bi-directional path tracing for modeling optical experiment // *Scientific Visualization*, (2013) 5 (2), p.1-15.
13. *Gavrilov N., Turlapov V.* Volume Ray Casting quality estimation in terms of Peak Signal-to-Noise Ratio // 21st International Conference in Central Europe on

Computer Graphics, Visualization and Computer Vision, WSCG 2013 – Poster Proceedings. C. 65-68

14. *Patrushev, I., Gavrilov, N., Turlapov, V., Semyanov, A.* Subcellular location of astrocytic calcium stores favors extrasynaptic neuron-astrocyte communication // *Cell Calcium* (2013) 54 (5), pp. 343-349. DOI: 10.1016/j.ceca.2013.08.003

**СПИСОК НАУЧНЫХ РАБОТ
ИГНАТЕНКО АЛЕКСЕЯ ВИКТОРОВИЧА**
близких к теме диссертации

1. *Pashchenko N.F., Zipa K.S., Ignatenko A.V.* An algorithm for the visualization of stereo images simultaneously captured with different exposures // *Programming and Computer Software* – 2017. – Т. 43. – №. 4. – P. 250-257. – DOI: 10.1134/S0361768817040077.
2. *Zipa K.S., Ignatenko A.V.* Algorithms for the Analysis and Visualization of High Dynamic Range Images Based on Human Perception // *Programming and Computer Software* – 2016. – Т. 42. – №. 6. – P. 367-374.
3. *Зипа К.С., Игнатенко А.В., Волобой А.Г.* Алгоритм тональной компрессии видеопоследовательностей // *Препринты ИПМ им. М.В. Келдыша*. – 2016. – № 83. – С. 1-32.
4. *Gruzdev A.M., Frolov V.A., Ignatenko A.V.* Practical approach to the fast monte-carlo ray tracing // *Programming and Computer Software*. – 2015. – Т. 41. – №. 5. – P. 253-257.
5. *Afanasjeva A., Ignatenko A.* Sharpness tracking algorithm for stereo microscope // *IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA)*. – 2015. – P. 1-6 – DOI: 10.1109/CIVEMSA.2015.7158626