**Flow Stitch**

**Koala Stitch**

**Light Stitch**

<https://www.c-sharpcorner.com/UploadFile/mahesh/using-xaml-image-in-wpf/>

wpf shaders:

https:// archive.codeplex.com/?p=wpffx

<https://stackoverflow.com/questions/1987054/whats-a-good-pixelation-algorithm-in-c-sharp-net>

<http://www.gutgames.com/post/Creating-Pixelated-Images-in-C.aspx>

<https://forum.processing.org/two/discussion/15573/get-the-average-rgb-from-pixels>

<https://www.programmingalgorithms.com/algorithm/normal-pixelate/>

<https://codereview.stackexchange.com/questions/140162/pixelate-image-with-average-cell-color>

<https://gist.github.com/superic/8165723>

<https://www.i-programmer.info/programming/wpf-workings/881-custom-bitmap-effects.html?start=2>

**Image manipulation**

<https://cg.cs.tsinghua.edu.cn/papers/cmm/paper1017_final.pdf>

<https://gfx.cs.princeton.edu/gfx/pubs/Gerstner_2012_PIA/Gerstner_2012_PIA_small.pdf>

https://dl.acm.org/doi/pdf/10.1145/1618452.1618471

<https://arxiv.org/abs/1802.01009> :

Afifi, M. (2018). Image Posterization Using Fuzzy Logic and Bilateral Filter. *arXiv preprint arXiv:1802.01009*.

https://dl.acm.org/doi/epdf/10.1145/1964921.1964994

**Cross stitch**

https://kar.kent.ac.uk/21850/:

Atkinson, K. R., & Roberts, J. C. (1999). Graphics and Visualization within Cross-Stitch. In *Eurographics UK, Conference Proceedings, 1999* (pp. 129-141). Eurographics.

Dyer, K. (1997). Counted Cross Stitch Tutorial. Retrieved from: [https://www.crosstitch.com/nfaq/nfaq1.html#](https://www.crosstitch.com/nfaq/nfaq1.html).

Setiabudi, D., Isa, S. M., & Iswanto, B. H. (2017). Digital color classification for colorful cross stitch threads using RGB+Euclidean Distance and LAB+CIE94. Proceedings of 2016 International Conference on Information and Communication Technology and Systems, ICTS 2016, 150–156. <https://doi.org/10.1109/ICTS.2016.7910290> :

<https://ieeexplore.ieee.org/abstract/document/7910290>

Takahashi, Y., & Fukusato, T. (2018). Stitch: an interactive design system for hand-sewn embroidery. In *ACM SIGGRAPH 2018 Posters* (pp. 1-2).:

<https://dl.acm.org/doi/epdf/10.1145/3230744.3230758>

*MacStitch and WinStitch*. (2019). Retrieved November 18, 2020, from <https://www.ursasoftware.com/macstitch/index.html>

Biedl, T. C., Horton, J. D., & López-Ortiz, A. (2005). Cross-Stitching Using Little Thread. In *CCCG* (pp. 199-202).:

<http://www.cccg.ca/proceedings/2005/54.pdf>

**Frameworks**

<https://link.springer.com/chapter/10.1007/978-1-4302-2482-2_3>:

Xu, J. (2010). Practical WPF Charts and Graphics. In *Practical WPF Charts and Graphics*. Apress. <https://doi.org/10.1007/978-1-4302-2482-2>

<http://ijarcs.info/index.php/Ijarcs/article/viewFile/2814/2802#:~:text=Windows%20Presentation%20Foundation%20(WPF)%20is,Net%20framework%203%20or%20higher>.

Misra, A. (2016). Use of Windows Presentation Foundation and Windows Forms in Windows Application Programming. *International Journal of Advanced Research in Computer Science*, *7*(7).

Mavrevski, R., Traykov, M., & Trenchev, I. (2020). Finding the shortest path in a graph and its visualization using C# and WPF. *International Journal of Electrical and Computer Engineering*, 10(2), 2054–2059. https://doi.org/10.11591/ijece.v10i2.pp2054-2059

<https://books.google.co.uk/books?hl=en&lr=&id=558i6t1dKEAC&oi=fnd&pg=PR11&dq=wpf+windows+forms&ots=g1ohHFBSKQ&sig=01ohdGSLIhL7b8EUk23VX3GezGw&redir_esc=y#v=onepage&q=wpf%20windows%20forms&f=false>:

Sells, C., & Griffiths, I. (2007). *Programming WPF: Building Windows UI with Windows Presentation Foundation*. " O'Reilly Media, Inc.".

**UI**

<https://link.springer.com/chapter/10.1007/978-1-4302-6775-1_8>

https://dl.acm.org/doi/pdf/10.1145/258549.258574

<https://books.google.co.uk/books?hl=en&lr=&id=A9Aj94-hxH8C&oi=fnd&pg=PP16&dq=windows+forms&ots=7k4fXS5Vl7&sig=AkWcw3TYbeC1ifsCMtOY6ACMObU&redir_esc=y#v=onepage&q=windows%20forms&f=false>

Galitz, W. O. (2007). *The essential guide to user interface design: an introduction to GUI design principles and techniques*. John Wiley & Sons.

**Future work**

Downsampling blur

Design

Implementation

Testing

Ethical and legal issues

Future work