Computer Graphics Lab 05-

Synfig studio - part 1

# Reference:

1. <https://www.youtube.com/playlist?list=PL3bGFEcFKSGYyAp-RzQ2BDcAoaYLg4Ql9> ,
2. <https://www.youtube.com/playlist?list=PLCTwAXY-3mN4VTlzQLntGGkfIZZue9CrN> ,
3. <https://www.youtube.com/playlist?list=PLe5BGn8ond4gpr1JLHqR6Qdj9BXTC5TEW>
4. <https://www.youtube.com/watch?v=Y41j_VpVU7c>
5. <https://www.youtube.com/watch?v=zUixHoVE7tc&list=PLGJLs6tWf0L7CaBiIDuDDDe5DAIi0tlOn&index=1>
6. <https://www.youtube.com/watch?v=8LHJ1jYZ2yc>

# Tools

**Synfig studio :** [**https://www.synfig.org/download-stable/**](https://www.synfig.org/download-stable/)

# Labs

*Note: the following arabic video:*

[*https://www.youtube.com/watch?v=BtoAemrLPGk*](https://www.youtube.com/watch?v=BtoAemrLPGk)

*Is a good revision and illustration for many concepts in the next labs*

| **Lab ID** | 5-1 |
| --- | --- |
| **Goal** | Bones and parenting |
| **Steps** | <https://www.youtube.com/watch?v=dbJRSedV_kM>  (you can use simple shapes instead of full hand image) |

| **Lab ID** | 5-2 |
| --- | --- |
| **Goal** | Simple cutout animation |
| **Steps** | <https://www.youtube.com/watch?v=zUixHoVE7tc&list=PLGJLs6tWf0L7CaBiIDuDDDe5DAIi0tlOn&index=1>  (note: downloadable files are in the video description) |

| **Lab ID** | 5-3 |
| --- | --- |
| **Goal** | Walk cycle |
| **Steps** | <https://www.youtube.com/watch?v=JEEipqDsv0Q&list=PLGJLs6tWf0L7CaBiIDuDDDe5DAIi0tlOn&index=3>  And <https://www.youtube.com/watch?v=8LHJ1jYZ2yc>  (Note: you can use the downloaded files from previous lab 5-2 in this lab) |

| **Lab ID** | 5-4 |
| --- | --- |
| **Goal** | Waypoint |
| **Steps** | <https://www.youtube.com/watch?v=tAwbC7dPcgs&list=PLGJLs6tWf0L7CaBiIDuDDDe5DAIi0tlOn&index=8> |

| **Lab ID** | 5-5 |
| --- | --- |
| **Goal** | Image animation with Keyframes |
| **Steps** | <https://www.youtube.com/watch?v=UL1ZHkouWgM&list=PLe5BGn8ond4gpr1JLHqR6Qdj9BXTC5TEW&index=5> |