

To verify the checksums, you can use
"GtkHash" with Ubuntu Linux or, for example,
"Checksums calculator" from Sigma Informatics
with different operating systems.

GtkHash: Installation from [here](#) or with Synaptic (Ubuntu)
Checksums calculator: Download from [Sigma Informatics](#)

Checksums

Version April 2024

File [p5-manual-04-2024.pdf](#) (Size: 13,610,230 Bytes)

md5: 7379befe9a3c6d5636be3dd6b0069401
sha1: 8e29a88765e064354bd639ac789977a821f69589
sha256: 34d543a8f9e34793403270ba5f97b5b4a9130fac26481426764616814ec20141
sha3-256: 7b5bf79985aad5fd401dc03f18d707359ad5e6ae0ce8f4adc4a25caf1d12215e
crc32: 3c34eb35

File [p5-program-08-2022.zip](#) (Size: 4,980,436 Bytes)

md5: 613486d6aae4654dc54e063cdb871bef
sha1: 11d34953b482e7b7e2ccf9e9b8cec428a24dae07
sha256: 65d9826dbc5889a9f2b3515f2c74fc3715e210d76c661dd469e6cf7722f6b808
sha3-256: afb12da4eda47854120e91e0d0689b0c391ba0b1e6a122d9f9793393a3883393
crc32: 3130e265

File [topo-program-04-2024.zip](#) (Size: 14,734,764 Bytes)

md5: bc64aa6950d8f4c7b3dcbd88343d465b
sha1: 87cdd7fb74bca1fda2c8de4faa8676dffadce058
sha256: e49baaeb77b15c53a4859073726de5c988053f0fa21a9cac56955879d3451f5d
sha3-256: 4fd2c4fdb0178b890dd298415897d09b782c8f3a47c669e018efe49b513630c2
crc32: d20c735f