

PRINCIPLES OF MODERN MATHEMATICAL WRITING

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1. PRINCIPLES

- **Consistency** – A manuscript should be open accessible online for long time archiving repository.
- **Integrity** – A manuscript should be based on existing well-developed research, fulfilling the complete big picture.
- **Visibility** – A manuscript should be easily discoverable online. That includes SEO optimization, proper category keywords, SMM.
- **Observability** – Means gathering analytics data and metrics of a manuscript. For example Google Analytics website integration.
- **Transparency** – The source code of a manuscript should be freely available online on GitHub or other version control hosting.
- **Testability** – Original results of a manuscript, or complicated claims (formulae) should be tested using mathematical software (Mathematica, PARI/GP, MATLAB).
- **Modularity** – Formulae, plots and tables should be arranged in a such way that it is easy to reuse them in other manuscripts.
- **Productivity** – Time taken for setup and configuration of \LaTeX , editors, plugins, CI/CD should be minimized by using automation approaches.