

# Ukrainian Applied Mathematics

Translation Working Drafts and TeX Sources

Current public working record, 2026-06-01

This record collects Ukrainian working translations and source reconstructions for selected applied mathematics, signal processing, state-estimation, robotics, and numerical/control materials. The reader PDFs are placed first; TeX sources, build reports, and audit material are bundled in the artifact archive.

## Status at a glance.

Reader	Pages	Status
Integrated Ukrainian applied mathematics reference	143	Current working core
PySDR selected software-defined radio module	100	Current strongest SDR module
Software-defined radio survey core	6	Format checked
Wave-equation controllability chapters	40	Format checked
Event sensor fusion and odometry	8	Working draft
Multi-sensor fusion survey	19	Working draft
Antenna and radio-frequency notes	23	Format checked
Autonomous robots perception and navigation	45	Format checked
Robust Student-t filtering	9	Working draft
Micro Lie theory partial module	4	Experimental draft
Error-state Kalman filtering core start	4	Start only
Practical Kalman filtering core bridge	2	Bridge only
Dynamic-target OCR working draft	10	Source-level review needed

**Use.** These files are working mathematical translations and TeX reconstructions. They are intended to be readable, inspectable, and improvable. The attached source archive includes the current TeX trees, formatting reports, contact sheets, and experimental fragments used in the current build.

**Current limits.** The present checks emphasize buildability, formatting, glyph coverage, and obvious clipping or table overflow. Mathematical terminology and source fidelity are still being improved. Later versions should replace partial modules with fuller source-checked translations.