

PROJECT CLEANUP GUIDE

Elenco Rigoroso: File da MANTENERE vs ELIMINARE

Data: Gennaio 2026

Autore: Lucy (Claude)

Scopo: Ridurre ~160 file MD a ~15-20 file essenziali

SEZIONE 1: FILE DA MANTENERE ASSOLUTAMENTE (ESSENZIALI)

1.1 Nuovi Master Documents (da aggiungere)

- ✓ 3D3D_COMPRESSED_MASTER_v2.md (17 KB) - Teoria completa
- ✓ APPENDIX_A_Particle_Physics.md (7 KB) - Particelle
- ✓ APPENDIX_B_Galactic_Cosmological.md (9 KB) - Galassie/Cosmologia
- ✓ APPENDIX_C_Paper_Index.md (8 KB) - Indice completo

1.2 Single Source of Truth

- ✓ Clarification_Note_Parameter_Registry_v1_0.md - PARAMETRI CANONICI
- ✓ README_3D3D_Navigation_Guide_v2_0.md - Guida navigazione

1.3 Frozen Results (Lagrangiana)

- ✓ Phase7_Complete_Lagrangian_FINAL.md - Lagrangiana completa
- ✓ FREEZE_UPDATE_mW_mZ.md - Risultati frozen
- ✓ FROZEN_CORRECTION_lambda_H.md - Correzione λ_H

1.4 Paper Fondamentali (versioni FINAL)

- ✓ Paper_I_Mathematical_Foundations_v3_1.md - Fondamenti
- ✓ Paper_II_v3_1_COMPLETE.md - Derivazioni tecniche (173 KB!)
- ✓ Paper_IV_v1_2_COMPLETE_FULLL.md - Gravità 6D (214 KB!)

1.5 Codice Python (tutti necessari per riproducibilità)

- ✓ TTN_Navigator_v3_1.py
- ✓ asymptotic_safety_lpa.py
- ✓ euclid_mock_testing_v2.py
- ✓ gamma_absolute_flux_dwarfs.py

- ✓ gamma_center_3d3d_analysis.py
- ✓ halogas_3d3d_calibrated.py
- ✓ halogas_corrected_analysis.py
- ✓ sparc_robustness_verification.py

SEZIONE 2: FILE DA ELIMINARE (RIDONDANTI)

2.1 Versioni Obsolete (sostituiti da versioni più recenti)

- ✗ Paper_III_v1_1_CORRECTED.md → contenuto in Master
- ✗ Paper_III_Effective_6D_Gravity.md → vuoto (0 bytes)
- ✗ Paper_II_v3_1_Technical_Derivations.md → in Paper_II_COMPLETE
- ✗ Paper_V_Section_6_4_UPDATE.md → in Paper_V_COMPLETE

2.2 Paper con contenuto in APPENDIX

- ✗ Paper_A3_42_Parameter_Theorem_v1_0.md → v2.0 + Appendix A
- ✗ Paper_A3_42_Parameter_Theorem_v2_0.md → in Appendix A
- ✗ Paper_Golden_Ratio_Nuclear_Leptonic_v1_0.md → v2.0 esiste
- ✗ Paper_Golden_Ratio_Appendix_Validation.md → in Appendix A
- ✗ Paper_Atomic_Physics_Master_v1_0.md → in Appendix A
- ✗ Paper_Atomic_Coulomb_Coupling_v1_0.md → in Master atomic
- ✗ Paper_Atomic_Dimensional_Reduction_v1_0.md → in Master atomic
- ✗ Paper_Atomic_Mode_Selection_v1_0.md → in Master atomic
- ✗ Paper_Atomic_QED_Form_Factor_v1_0.md → in Master atomic
- ✗ Paper_Rydberg_Constant_6D_Derivation_v1_0.md → in Appendix A
- ✗ Paper_Electron_Mass_6D_Direct_v1_0.md → in Appendix A

2.3 Fasi Lagrangiana (in Phase7_FINAL)

- ✗ Phase2_Gravitational_Sector_COMPLETE.md → in Phase7
- ✗ Phase3_Gauge_Sector_COMPLETE.md → in Phase7
- ✗ Phase4_Higgs_Sector_COMPLETE.md → in Phase7
- ✗ Phase5_Fermion_Sector_COMPLETE.md → in Phase7
- ✗ Phase6_CKM_PMNS_COMPLETE.md → in Phase7
- ✗ Phase8_Wolfenstein_A_Parameter_COMPLETE.md → in Phase7

2.4 Documenti di Esplorazione (non final)

- ✗ Asymptotic_Safety_Exploration_ACTIVE.md → LPAprime è il finale
- ✗ Mathematical_Exploration_Constants_v1.md → in Master

- ✗ Theory_Development_Roadmap_v1.md → obsoleto
- ✗ Lagrangian_6D_Roadmap_RedTeam.md → completato

2.5 Duplicati/Versioni Multiple

- ✗ Master_Mathematical_Structure_3D3D.md → v4 CORRECTED è finale
- ✗ Master_Mathematical_Structure_3D3D_v2.md → v4 CORRECTED
- ✗ Master_Mathematical_Structure_3D3D_v3.md → v4 CORRECTED
- ✗ Master_Mathematical_Structure_3D3D_v3_DEFINITIVE.md → v4 CORRECTED
- ✗ Paper_XLII_Phi_e_Bridge_Identity_v2_0.md → v2.1 esiste
- ✗ Paper_XLI_M_crit_Derivation_v1_0.md → v1.1 RIGOROUS esiste
- ✗ Paper_XLVIII_Complete_Mass_Mixing_Derivations_v2.md → in P48
- ✗ Oscillatory_Stability_Theorem_v1.md → v2 TwoMode esiste

2.6 Summary/Executive (contenuto in Master)

- ✗ FINAL_VERIFICATION_SUMMARY.md → in Master
- ✗ QFT_Discovery_Summary.md → in Master
- ✗ Paper_VII_Session1_Executive_Summary.md → in Paper VII
- ✗ ENTANGLEMENT_EXECUTIVE_SUMMARY_ITA.md → in Master
- ✗ Paper_LXX_Complete_Theory_Summary_v1_0.md → è il Master

2.7 Documenti Intermedi/Draft

- ✗ Solver_Upgrade_Notes.md → tecnico interno
- ✗ LPAPRIME_BREAKTHROUGH_Analysis.md → in Asymptotic_Safety
- ✗ Derivative_Expansion_Framework.md → in UV completion
- ✗ Gauge_Couplings_Dimensional_Structure_v1.md → in P59
- ✗ Complete_Fundamental_Constants_6D_v1.md → in Master
- ✗ Complete_Parameter_Derivations_3D3D.md → in Master

2.8 PDF Duplicati (già esistono come .md)

- ✗ PAPER_SECTION_3_DRAFT_txt.pdf → draft
- ✗ Paper_MultiScale_Validation_3D3D.pdf → esiste .md
- ✗ Paper_VIII_Moduli_Stabilization_Complete_md.pdf → esiste .md
- ✗ Golden_Ratio_Structure_in_Nuclear_Physics.pdf → esiste .md

2.9 Analisi Specifiche (contenuto in Appendix B)

- ✗ Solar_System_Screening_Analysis.md → P26 + Appendix B
- ✗ Solar_System_Screening_RESOLVED.md → in P26

- ✗ SPARC_3D3D_Analysis_Complete_v1_0.md → in Beta Robustness
- ✗ PTA_Angular_Correlation_Analysis_3D3D.md → in Paper NANOGrav
- ✗ Gamma_Emission_3D3D_vs_WIMP_Report.md → in Paper XIV

2.10 Screening Derivations (consolidati)

- ✗ Screening_Derivation_Phase1A_COMPLETE.md → in MultiScale
- ✗ Screening_Derivation_Phase1B_EXPANDED.md → in MultiScale
- ✗ Screening_Microscopic_Derivation_COMPLETE_v2.md → in MultiScale
- ✗ Complete_Term_Enumeration_Screening_v3.md → in MultiScale

SEZIONE 3: FILE DA VALUTARE (CASO PER CASO)

3.1 Paper Completi ma Lunghi

- ⚠ Paper_SMBH_Primordial_6D_v2_1_ENHANCED.md (85 KB) - Utile per SMBH
- ⚠ Paper_LIV_Three_Generations_6D_v1_2_COMPLETE.md (87 KB) - Fondamentale
- ⚠ Paper_Unified_3D3D_Theory_v1_0.md (82 KB) - Overview
- ⚠ NonLinear_Q2Q3_Dynamics_FULLL.md (50 KB) - Dettagli tecnici

3.2 Paper Tematici (potrebbero servire)

- ⚠ Paper_X_Chronology_Protection_v1_0.md - CTC protection
- ⚠ Paper_XVII_COMPLETE_v1_1.md - Angoli temporali
- ⚠ Paper_XVIII_Complete_6D_Covariant_Formulation_v1_0.md - Covarianza

SEZIONE 4: STRUTTURA FINALE CONSIGLIATA

4.1 Dopo Cleanup (~20 file MD)

```
/mnt/project/
├── MASTER/
│   ├── 3D3D_COMPRESSED_MASTER_v2.md
│   ├── APPENDIX_A_Particle_Physics.md
│   ├── APPENDIX_B_Galactic_Cosmological.md
│   └── APPENDIX_C_Paper_Index.md
├──
└── REFERENCE/
    ├── Clarification_Note_Parameter_Registry_v1_0.md
    └── README_3D3D_Navigation_Guide_v2_0.md
```

- └─ Paper_XXXVII_Mathematical_Glossary_v1_0.md
- └─ CORE_PAPERS/
 - └─ Paper_I_Mathematical_Foundations_v3_1.md
 - └─ Paper_II_v3_1_COMPLETE.md
 - └─ Paper_IV_v1_2_COMPLETE_FULL.md
 - └─ Paper_V_Cosmic_Web_v1_0_COMPLETE.md
 - └─ Paper_VIII_Moduli_Stabilization_Complete.md
- └─ FROZEN/
 - └─ Phase7_Complete_Lagrangian_FINAL.md
 - └─ FREEZE_UPDATE_mW_mZ.md
 - └─ FROZEN_CORRECTION_lambda_H.md
- └─ VALIDATION/
 - └─ Paper_Beta_Robustness_Complete.md
 - └─ Euclid_Predictions_Paper_v1_1_CLEAN.md
 - └─ Predictions_Euclid_DESI_PreRegistered.md
- └─ ADVANCED/
 - └─ Paper_LXI (Uniqueness)
 - └─ Paper_LXV (Cosmological Constant)
 - └─ Master_Mathematical_Structure_v4_CORRECTED.md
- └─ CODE/
 - └─ TTN_Navigator_v3_1.py
 - └─ sparc_robustness_verification.py
 - └─ [altri .py]

4.2 Statistiche Finali

PRIMA: ~160 file MD, ~8.2 MB

DOPO: ~20 file MD, ~500 KB

RATIO: ~94% riduzione file, ~94% riduzione spazio

SEZIONE 5: FILE ELIMINABILI IMMEDIATAMENTE (SICURI)

Questi file possono essere eliminati **SUBITO** senza rischio:

bash

Versioni obsolete

[rm](#) Paper_III_Effective_6D_Gravity.md *# vuoto!*

[rm](#) Paper_II_v3_1_Technical_Derivations.md

[rm](#) Paper_V_Section_6_4_UPDATE.md

Versioni vecchie (esistono nuove)

[rm](#) Paper_A3_42_Parameter_Theorem_v1_0.md

[rm](#) Paper_Golden_Ratio_Nuclear_Leptonic_v1_0.md

[rm](#) Paper_XLII_Phi_e_Bridge_Identity_v2_0.md

[rm](#) Paper_XLI_M_crit_Derivation_v1_0.md

[rm](#) Oscillatory_Stability_Theorem_v1.md

Master duplicati

[rm](#) Master_Mathematical_Structure_3D3D.md

[rm](#) Master_Mathematical_Structure_3D3D_v2.md

[rm](#) Master_Mathematical_Structure_3D3D_v3.md

Fasi (in Phase7_FINAL)

[rm](#) Phase2_Gravitational_Sector_COMPLETE.md

[rm](#) Phase3_Gauge_Sector_COMPLETE.md

[rm](#) Phase4_Higgs_Sector_COMPLETE.md

[rm](#) Phase5_Fermion_Sector_COMPLETE.md

[rm](#) Phase6_CKM_PMNS_COMPLETE.md

[rm](#) Phase8_Wolfenstein_A_Parameter_COMPLETE.md

Summary/Executive

[rm](#) FINAL_VERIFICATION_SUMMARY.md

[rm](#) QFT_Discovery_Summary.md

[rm](#) Paper_VII_Session1_Executive_Summary.md

PDF duplicati

[rm](#) PAPER_SECTION_3_DRAFT_txt.pdf

[rm](#) Paper_VIII_Moduli_Stabilization_Complete_md.pdf

Screening consolidati

[rm](#) Screening_Derivation_Phase1A_COMPLETE.md

[rm](#) Screening_Derivation_Phase1B_EXPANDED.md

[rm](#) Solar_System_Screening_Analysis.md

[rm](#) Solar_System_Screening_RESOLVED.md

TOTALE ELIMINABILE IMMEDIATAMENTE: ~40 file

SEZIONE 6: CHECKLIST DI VERIFICA

Prima di eliminare ogni file, verifica:

- ☐ Il contenuto è presente in un Master document?
 - ☐ Esiste una versione più recente?
 - ☐ È referenziato in altri paper ancora attivi?
 - ☐ Contiene formule uniche non presenti altrove?
 - ☐ È necessario per riproducibilità (codice)?
-

FINE GUIDA CLEANUP

Nota: Questa guida è stata creata analizzando sistematicamente tutti i 160+ file del progetto. In caso di dubbio, MANTIENI il file.