

## REPORTS

1. Kyrtatos, N., *ΑΠΕΙΚΟΝΙΣΗ ΛΕΙΤΟΥΡΓΙΑΣ ΜΗΧΑΝΩΝ ΕΣΩΤΕΡΙΚΗΣ ΚΑΥΣΕΩΣ ΣΕ Η/Υ*. 1984. p. 1.
2. Kyrtatos, N., *PERFORMANCE PREDICTION OF TURBOCHARGED ENGINES USING SIMULATION*. 1986. p. 1.
3. Watson, N., M. Marzouk, and N. Kyrtatos, *IDI Engine Simulation Data Tests*. 1979. p. 80.
4. Kyrtatos, N., M. Tarabad, and N. Watson, *Adiabatic Turbocompound Engine Performance (1st, 2nd, 3rd, 4th, 5th Interim and Final Reports)*. 1980. p. 219.
5. Kyrtatos, N., *Έκθεση Επισκέψεως στη Δανία*. 1985. p. 2.
6. Kyrtatos, N., *Έκθεση Εκπροσώπου σε Επιτροπή των Ευρωπαϊκών Κοινοτήτων*. 1985. p. 12.
7. Kyrtatos, N. and J., *Αξιολόγηση προτάσεως για εκτέλεση ερευνητικού προγράμματος, που υποβλήθηκε στο ΠΡΟΠΕ 85-86 στην περιοχή "Μηχανές εσωτερικής καύσεως"*. 1986. p. 1.
8. Κυρτάτος, Ν., *Έκθεση Εκπροσώπου σε Επιτροπή των Ευρωπαϊκών Κοινοτήτων*. 1986. p. 1.
9. Kyrtatos, N., *Report of short study visit to Denmark and the U.K.* 1986. p. 3.
10. Κυρτάτος, Ν., *Αξιολόγηση προτάσεως για εκτέλεση ερευνητικού προγράμματος, που υποβλήθηκε στο ΠΕΝΕΔ 1987 στην περιοχή "Συστήματα ελέγχου πλοίων"*. 1987. p. 1.
11. Kyrtatos, N. and J. Tsolkas, *PROTEUS-Performance Prediction of Turbocharged Engines Using Simulation*. 1987. p. 1.
12. Kyrtatos, N., *Review of Marine Control Practice*. 1988. p. 1.
13. Kyrtatos, N., J. Tsolkas, and I. Koumbarelis, *PROTEUS - Performance Prediction of Turbocharged Engines Using Simulation*. 1988. p. 1.
14. Kyrtatos, N. and P. Stolakis, *Ship and Machinery Condition Evaluation System*. 1988. p. 2.
15. Κυρτάτος, Ν., Ι. Τσόλκας, and Ι. Κουμπάρελης, *Απεικόνιση με χρήση Η/Υ Εφαρμογής Υψιθέρμων κεραμικών υλικών σε Βραδύστροφο Δίχρονο Κινητήρα Diesel για εξοικονόμηση ενέργειας*. 1991. p. 3.
16. Kyrtatos, N., *Report of study visit to Denmark and United Kingdom*. 1988. p. 2.
17. Kyrtatos, N., J. Tsolkas, and I. Koumbarelis, *Subroutine SCAVEN*. 1988. p. 1.
18. Κυρτάτος, Ν., Ν. Ζαφειρόπουλος, and Ν. Μαστοράκης, *Μοντελοποίηση θερμικών και μηχανικών τάσεων θαλάμου καύσεως ναυτικών κινητήρων με εσωτερικά κεραμικά επιστρώματα*. 1989. p. 1.
19. Κυρτάτος, Ν., *Εξοικονόμηση ενέργειας στις θαλάσσιες μεταφορές*. 1989. p. 1.
20. Κυρτάτος, Ν., *Τεχνολογίες εξοικονόμησης ενέργειας σε πλοία*. 1989. p. 1.
21. Kyrtatos, N. and J. Tsolkas, *Maintenance and Repair*. 1989. p. 11.
22. Kyrtatos, N. and G. Karpos, *System analysis for the Maintenance and Repair*. 1990. p. 1.
23. Kyrtatos, N., V. Karakas, and J. Tsolkas, *Pilot Land-Based Head office workstation and supporting Network*. 1990. p. 1.
24. Kyrtatos, N., *Shore-based workstation development*. 1990. p. 11.
25. Kyrtatos, N., V. Karakas, and N. Parthenios, *Support to the decision Making Process*. 1991. p. 2.
26. Kyrtatos, N., *Background work outline in DEVISE*. 1991. p. 2.
27. Κυρτάτος, Ν. and Κ. Βαφίδης, *Έκθεση Αξιολόγησης Κινητήρα Brock*. 1991. p. 2.
28. Kyrtatos, N. and K. Xidis, *Presentation at DEVISE Workshop*. 1991. p. 2.
29. Kyrtatos, N., *NTUA Annual Progress Report DEVISE 1991*. 1991. p. 2.
30. Kyrtatos, N., *Contribution to ROV database*. 1992. p. 2.
31. Κυρτάτος, Ν., *Βλάβη μειωτήρα του Ε/Γ Stella Solaris*. 1992. p. 2.
32. Kyrtatos, N., I. Karakas, and Z. De Pian, *Management support tools*. 1992. p. 2.
33. Κυρτάτος, Ν., *Εξοικονόμηση ενέργειας στις θαλάσσιες μεταφορές*. 1992. p. 295.
34. Kyrtatos, N., *Presentation at DEVISE Technical Meeting, Athens*. 1991. p. 2.
35. Kyrtatos, N., et al., *Computer Assisted Conceptual/Preliminary Design for Underwater Vehicles : Final Report*. 1992. p. 320.
36. Kyrtatos, N., *Pilot study on the Reduction of Air Pollution from Marine Engines : Proposal*. 1993. p. 1.
37. Kyrtatos, N., *Presentations and Demonstrations in Greece*. 1993. p. 1.
38. Peppas, D. and N. Kyrtatos, *Contribution to "The DEVISE simulator : development of data generators for use in the functional area of propulsion"*. 1993. p. 2.
39. Lyridis, D. and N. Kyrtatos, *Presentation at DEVISE Workshop April 1993*. 1993. p. 1.
40. Karakas, I., N. Parthenios, and N. Kyrtatos, *MS-DOS/Windows - NT Based System: Concept requirements for the Pilot System*. 1993. p. 2.

41. Kyrtatos, N., I. Karakas, and N. Parthenios, *Remote Status Assessment Pilots*. 1993. p. 1.
42. Kapetanis, G. and N. Kyrtatos, *Air pollution from marine engines - A general overview*. 1993. p. 1.
43. Kyrtatos, N., I. Karakas, and G. Kapetanis, *Telecommunications Support for Remote inspection and survey of ships*. 1993. p. 2.
44. Lyridis, D. and N. Kyrtatos, *Presentation at DEVISE Workshop September 1993*. 1993. p. 2.
45. Lyridis, D., T. Zorbas, and N.P. Kyrtatos, *Marine sub system simulators (Fuel oil, Lub oil, Trimming systems)*. 1993. p. 1.
46. Parthenios, N., I. Karakas, and N. Kyrtatos, *Application oriented user interfaces*. 1993. p. 2.
47. Zorbas, T., D. Lyridis, and N. Kyrtatos, *Presentation at DEVISE Workshop November 1993, Croydon*. 1993. p. 2.
48. Κυρτάτος, Ν., *Γενική αξιολόγηση σχεδιασμού FM-150*. 1994. p. 45.
49. Kyrtatos, N. and N. Parthenios, *Demonstration of Remote Support System using GSM communications*. 1995. p. 2.
50. Κυρτάτος, Ν., *Τεχνική Αξιολόγηση Φέρρυ "FINNJET"*. 1995. p. 2.
51. Parthenios, N. and N. Kyrtatos, *User's manual IARS: Image Assisted Remote Survey*. 1995. p. 2.
52. *Race Project 2040 "MOEBIUS" Deliverable 18 Pilot Applications : Test Scenarios Demonstrations and Results*. 1996. p. 2.
53. Lambropoulos, V. and N. Kyrtatos, *Ship Propulsion Dynamics Modular Modelling Using the ACSL Language*. 1996. p. 2.
54. Κυρτάτος, Ν., *Ναυπήγηση Ταχύπλοου επιβατηγού-οχηματαγωγού σκάφους της ΔΑΝΕ Παρούσα Κατάσταση*. 1996. p. 1.
55. Κυρτάτος, Ν., *Σύγκριση απαιτούμενης ισχύος και καταναλώσεως πλοίων*. 1996. p. 1.
56. Korakis, G., *Review of Internal Combustion Engine Friction Models*. 1996. p. 2.
57. Kyrtatos, N., D. Alexopoulos, and P. Theodosopoulos, *Investigation of Scavenging Process in a Large Two-stroke Marine Diesel Engine Using CFD*. 1997. p. 25.
58. Theodosopoulos, P. and N. Kyrtatos, *ACME : Detailed Planning D1/BRPR-CT95*. 1996. p. 32.
59. Kyrtatos, N. and G. Kapetanis, *Pilot Study on the Reduction of Air Pollution from Marine Engines*. 1997. p. 1.
60. Politis, G. and N. Kyrtatos, *Propeller performance in Irregular Weather Conditions*. 1997. p. 1.
61. Kyrtatos, N., *The development of the engine simulation and performance prediction program MOTHER*. 1997. p. 1.
62. Lyridis, D. and N. Kyrtatos, *Nautical Safety and Manoeuvrability*. 1998. p. 1.
63. Theodosopoulos, P., G. Theotokatos, and N. Kyrtatos, *Propulsion Simulation*. 1998. p. 1.
64. Kyrtatos, N., *Marine Engines - An Overview*. 1998. p. 1.
65. Theodosopoulos, P., N. Xiros, and N. Kyrtatos, *Torque Prediction Based Optimal Control Schemmes*. 1998. p. 1.
66. Tzanos, E., *Gas Mixture Composition Calculation - Two zone combustion modelling*. 1998. p. 14.
67. Manolas, C. and N. Kyrtatos, *Exchange of Undates files in shipping via Internet*. 1998. p. 1.
68. Xiros, N. and N. Kyrtatos, *On board torque prediction system*. 1999. p. 12.
69. Κυρτάτος, Ν. and Σ. Μαυράκος, *Έκθεση Φάσης Α' : Από ενάρξεως του έργου εως κατάρτησης short-list*. 1999. p. 1.
70. Tzanos, E. and N. Kyrtatos, *Chemical Equilibrium, CO, Nox kinetics models*. 1999. p. 1.
71. Tzanos, E., V. Pavlidis, and N. Kyrtatos, *EGR Model Implementation Report*. 1999. p. 28.
72. Kyrtatos, N. and C. Manolas, *Ship's Access to Internet Through GSM*. 1999. p. 1.
73. Kyrtatos, N., et al., *Parametric study of SI Engine / Transient simulaton of diesel engine*. 1999. p. 1.
74. Xiros, N. and N. Kyrtatos, *Onboard fullscale tests-Sea package test-results*. 2000. p. 12.
75. Xiros, N. and N. Kyrtatos, *Analysis of results and Extension of TP Algorithm*. 2000. p. 34.
76. Pavlidis, V., E. Tzanos, and N. Kyrtatos, *EGR Model Validation Report*. 2000. p. 33.
77. Tzanos, E. and N. Kyrtatos, *Spray Model*. 2000. p. 1.
78. Kyrtatos, N., *Parametric evaluation of virtual engines*. 2000. p. 1.
79. Tzanos, E., V. Pavlidis, and N. Kyrtatos, *Emission and performance optimization assistance by simulations*. 2000. p. 23.
80. Theotokatos, G., *Prediction of the Complete Characteristics of a Centrifugal Compressor*. 2000. p. 1.
81. Tzanos, E. and N. Kyrtatos, *Injection timing analysis*. 2000. p. 1.
82. Tzanos, E., *Application of multizone model and lamda spike simulation*. 2000. p. 1.
83. Raptis, D., *The Zoellner Dynamometer*. 2000. p. 1.

84. Skevis, G., et al., *Development of optimisation methodology for performance efficiency and emissions control*. 2000. p. 1.
85. Raptis, D., *Direct Current Diesel Engine Dynamometer*. 2000. p. 101.
86. Theotokatos, G. and N. Kyrtatos, *Models for EGR Cooler and Valve, PID Controller and VNT map*. 2000. p. 1.
87. Κυρτάτος, Ν., *Μελέτη καθορισμού εισακτέων του Τμήματος ΝΜΜ/ΕΜΠ Έκδοση ΙΙ*. 1998. p. 1.
88. Tzanos, E. and N. Kyrtatos, *Simulation applications for SORPTEC*. 2001. p. 1.
89. Theotokatos, G. and N. Xiros, *Measurements on Board the MV. "Shangai Express"*. 2001. p. 1.
90. Theotokatos, G., *Review of Heat Transfer Model Internal Combustion Engines*. 2001. p. 1.
91. Skevis, G. and A. Linardi, *A Sealing Procedure for Predicting NOx Emission Levels from Marine Diesel Engines*. 2001. p. 7.
92. Xiros, N., *Diesel Propulsion Plant Control*. 2001. p. 45.
93. Tzanos, E., *Multi Zone Model*. 2000. p. 20.
94. Skevis, G. and A. Linardi, *Analysis of Experimental Data on NOx Emissions in Marine Diesel Engines*. 2001. p. 15.
95. Kyrtatos, N.P., N.I. Xiros, and S.I. Tzanos, *NOx - Box: A MODEL- BASED VIRTUAL INSTRUMENT FOR NOx EMISSIONS ESTIMATION IN MARINE ENGINES*. 2001. p. 1.
96. Αλεξανδράκης, Ν. and Ν.Π. Κυρτάτος, *ΜΕΤΡΗΣΗ ΙΣΧΥΟΣ ΚΑΙ ΩΣΗΣ ΑΡΜΑΤΑΓΩΓΟΥ Α/Γ ΣΑΜΟΣ*. 2002. p. 12.
97. Αλεξανδράκης, Ν. and Ν.Π. Κυρτάτος, *ΜΕΤΡΗΣΗ ΙΣΧΥΟΣ ΚΑΙ ΩΣΗΣ ΑΡΜΑΤΑΓΩΓΟΥ Α/Γ ΙΚΑΡΙΑ*. 2002. p. 13.
98. Theotokatos, G. and N.P. Kyrtatos, *Investigation of a Large High Speed Diesel Engine Transient Behavior Including Compressor Surging and Emergency Shut-down*. 2001. p. 33.
99. Papadopoulos, C., *Optimisation Testing*. 2001. p. 10.
100. Livanos, G. and N.P. Kyrtatos, *Numerical simulation of fire in the scavenging air receiver of a large marine two stroke diesel engine*. 2002. p. 14.
101. Xiros, N. and N.P. Kyrtatos, *The LIFETIME Project, Offline Nox Box (Prototype Version), Operator's Manual*. 2003. p. 17.
102. Παπαδόπουλος, Χ. and Ν.Π. Κυρτάτος, *ΜΕΤΡΗΣΗ ΑΕΡΟΦΕΡΤΟΥ ΘΟΥΡΥΒΟΥ Π/Φ "ΠΡΟΜΗΘΕΥΣ" ΜΕΡΟΣ Α' - ΜΕΤΡΗΣΕΙΣ ΕΝ ΠΛΩ*. 2003. p. 25.
103. Αλεξανδράκης, Ν. and Ν.Π. Κυρτάτος, *ΜΕΤΡΗΣΗ ΡΟΠΗΣ ΚΑΙ ΤΑΧΥΤΗΤΑΣ ΕΛΙΚΟΦΟΡΩΝ ΑΤΡΑΚΤΩΝ Π/Φ "ΠΡΟΜΗΘΕΥΣ"*. 2003. p. 12.
104. Κυρτάτος, Ν.Π. and Χ.Ι. Παπαδόπουλος, *ΜΕΤΡΗΣΗ ΑΕΡΟΦΕΡΤΟΥ ΘΟΥΡΥΒΟΥ Π/Φ "ΠΡΟΜΗΘΕΥΣ" ΜΕΡΟΣ Β' - ΜΕΤΡΗΣΕΙΣ ΕΝ ΟΡΜΩ*. 2003. p. 19.
105. Προυσαλιδής, Ι., *Οδηγίες προγραμματισμού φόρτισης της πέδης GC40-22M του E.N.M. Μέσω της εφαρμογής Labview emp\_v1.vi*. 2004. p. 18.
106. Λιβανός, Γ., *Επεξεργασία πειραματικών αποτελεσμάτων μηχανής L16/24 του E.N.M*. 2004. p. 1.
107. Κυρτάτος, Ν.Π., *Απολογισμός Εργαστηρίου Ναυτικής Μηχανολογίας 2000-2003*. 2004. p. 7.
108. Kyrtatos, N. and N. Alexandrakis, *Report: HFD Tricat second stage air filter drainbox tests CONFIDENTIAL*. 2004. p. 8.
109. Livanos, G., *Simulaton of operation of automotive engine FIAT Puno 1242 8V- CLEATRANS program*. 2002. p. 10.
110. Παυλιδής, Β. and Γ. Σκεύης, *5 Laboratory notes from old LME students about Combustion, Heat Release (MOTHER) & EGR*. 2000. p. 1.
111. Dimopoulos, G.G., *AGEING OF MARINE DIESEL ENGINES*. 2001. p. 64.
112. Xiros, N., *Control Elements in MOTHER*. 2002. p. 61.
113. Kanelopoulou, E., *"Cocktail Shaker" Piston Cooling Model*. 2004. p. 6.
114. Kanelopoulou, E., *Engine – propeller- ship hull interaction in MOTHER using experimentally measured values of Ct-Cq*. 2005. p. 12.
115. Ioannou, M., *COMBUSTION ANALYSIS USING AVL INDICOM v1.4*. 2005. p. 19.
116. Ulrich, E., *Brief review of present and upcoming ship's exhaust emission legislation*. 2005. p. 6.
117. Ioannou, M., *ANALYSIS OF THE SMOKERMAN PROJECT RESULTS*. 2005. p. 39.
118. Alexandrakis, N., *Shaft Power Measurement on the Testbed MAN B&W 5L16/24*. 2006. p. 26.
119. Livanos, G., *Tanker Propulsion Plant Transient Behavior in Ice Breaking Conditions*. 2006. p. 26.
120. Livanos, G., *A Model of the Friction Losses in Diesel Engines: Application in 5L16/24 LME test engine*. 2006. p. 24.
121. Livanos, G., *SIMULATION RESULTS OF THE MAN B&W 5L16/24 TEST ENGINE OF THE LABORATORY OF MARINE ENGINEERING*. 2006. p. 22.

122. Papalambrou, G., *TORQUE CONTROL OF AEG GC 40.22M MOTOR/GENERATOR OF LME*. 2006. p. 23.
123. Papalambrou, G., *REDUCED ORDER ENGINE MODELS IN MATLAB* 2006. p. 20.
124. Ulrich, E., *Smoke Emission Measurement with AVL Opacimeter 439*. 2006. p. 7.
125. Livanos, G., *Inlet and Exhaust Valve Lift Measurements of the MAN B&W 5L16/24 Test Engine of Laboratory of Marine Engineering*. 2006. p. 11.
126. Ioannou, M., *THE APPLICATION OF AVL v1.4 LME*. 2006. p. 318.
127. Ioannou, M., *Individual cylinder ultra-fast NOx measurement using the extended probe*. 2006.
128. Tzanos, E., *Engine Simulation with MOTHER (a step by step approach)*. 2003.
129. Papalambrou, G., *Durable Equipment Inventory 2006*. 2007.
130. Papalambrou, G., *ΚΑΤΑΛΟΓΟΣ ΔΙΑΤΑΞΗΣ ΑΡΙΘΜΗΣΗΣ ΧΩΡΩΝ ΕΡΓΑΣΤΗΡΙΟΥ ΝΑΥΤΙΚΗΣ ΜΗΧΑΝΟΛΟΓΙΑΣ*. 2007. p. 8.
131. Χεραπα, K. and M. Ioannou, *Fluid flow analysis in a gas sampling probe*. 2008. p. 47.
132. Korakis, G., *Review of Internal Combustion Engine Combustion Models*. 1996. p. 11.
133. Ξηρός, N. and B. Παυλίδης, *Επίσκεψη στο πλοίο μεταφοράς Εμπορευματοκιβωτίων HL "ANTWERPEN EXPRESS"*. 2000. p. 20.
134. Kyrtatos, N., *ΕΚΘΕΣΗ ΠΕΠΡΑΓΜΕΝΩΝ ΕΚΠΑΙΔΕΥΤΙΚΗΣ ΑΔΕΙΑΣ 01/09/2006-31/05/2007*. 2008. p. 444.
135. Kyrtatos, N., *ΕΡΓΑΣΤΗΡΙΟ ΝΑΥΤΙΚΗΣ ΜΗΧΑΝΟΛΟΓΙΑΣ / ΑΠΟΛΟΓΙΣΜΟΣ 2004-2007*. 2008. p. 22.
136. Stelios, T., *Simulation Runs on MAN 12K98MC-C with MoTher / Part A: Sensitivity analysis Part B: T/C cut-out*. 2009. p. 91.