



ΑΡΙΣΤΟΤΕΛΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΟΝΙΚΗΣ  
ΠΟΛΥΤΕΧΝΙΚΗ ΣΧΟΛΗ

Τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών  
Τομέας Ηλεκτρονικής και Υπολογιστών

Διπλωματική Εργασία

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Ανάπτυξη Αυτόνομου Ρομποτικού  
Οχήματος 4WS

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*“Thanks to my solid academic training, today I can write hundreds of words on virtually any topic without possessing a shred of information, which is how I got a good job in journalism.”*

Dave Barry

ΑΡΙΣΤΟΤΕΛΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΟΝΙΚΗΣ

## *Abstract*

ΠΟΛΥΤΕΧΝΙΚΗ ΣΧΟΛΗ

Τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών

Δίπλωμα Ηλεκτρολόγου Μηχανικού και Μηχανικού Ηλεκτρονικών  
Υπολογιστών

**Ανάπτυξη Αυτόνομου Ρομπωτικού Οχήματος 4WS**

by Κούρος Γεώργιος

The Thesis Abstract is written here (and usually kept to just this page).  
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above the title too...

## *Acknowledgements*

The acknowledgments and the people to thank go here, don't forget to include your project advisor...

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# List of Abbreviations

**LAH** List Abbreviations **Here**  
**WSF** What (it) **Stands For**



# Physical Constants

Speed of Light  $c_0 = 2.997\,924\,58 \times 10^8 \text{ m s}^{-1}$  (exact)

# List of Symbols

$a$	distance	m
$P$	power	W (J s <sup>-1</sup> )
$\omega$	angular frequency	rad

*For/Dedicated to/To my...*

## **Appendix A'**

# **Appendix Title Here**

Write your Appendix content here.

# Bibliography

- Arnold, A. S. et al. (1998). “A Simple Extended-Cavity Diode Laser”. In: *Review of Scientific Instruments* 69.3, pp. 1236–1239. URL: <http://link.aip.org/link/?RSI/69/1236/1>.
- Hawthorn, C. J., K. P. Weber, and R. E. Scholten (2001). “Littrow Configuration Tunable External Cavity Diode Laser with Fixed Direction Output Beam”. In: *Review of Scientific Instruments* 72.12, pp. 4477–4479. URL: <http://link.aip.org/link/?RSI/72/4477/1>.
- Wieman, Carl E. and Leo Hollberg (1991). “Using Diode Lasers for Atomic Physics”. In: *Review of Scientific Instruments* 62.1, pp. 1–20. URL: <http://link.aip.org/link/?RSI/62/1/1>.