Course Overview

Chang-Su Kim
Course Information

- Pre-requisites: High school mathematics

- Course Homepage: [http://mcl.korea.ac.kr](http://mcl.korea.ac.kr)

- Questions
  - Ask questions anytime, but preferably during lectures
  - Tel: 3290-3217
  - Email: changsukim@korea.ac.kr

- Our Tutor: Juhyuk Mun
  - Tel: 3290-3806
  - Email: jhmun@mcl.korea.ac.kr
  - New Engineering Building, Rm 405
Course Information

- Assessment Methods
  - Assignment: 15%
    - Solving problems in textbook
  - Attendance & Quizzes: 15%
  - Mid-term Exam: 30%
  - Final Exam: 40%

- Textbooks

- References
## Tentative schedule

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<tr>
<th>Week</th>
<th>Topics</th>
<th>Events</th>
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<td>1</td>
<td>Complex Numbers</td>
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<td>Complex Numbers and Integration</td>
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<td>Power Series and Taylor Series</td>
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<td>24 OCT 2017 Mid exam</td>
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<td>26 OCT 2017 No class</td>
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<td>9</td>
<td>Linear Algebra</td>
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<td>Final exam</td>
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What are taught?

- **Complex Analysis**
  - Complex numbers
  - Complex functions
    - Limit, continuity, differentiation, integration

- **Linear Algebra**
  - Vectors, matrices
  - Linear equations
  - Inner product and orthogonality
  - Eigenvalues and eigenvectors
What are taught?

- Skills
  - Apply theorems
- Logics
  - Understand, prove, and conjecture theorems
- Skills are less important than logics
WHY? To be an engineer.
Deraining

Video Deraining and Desnowing
SOWP: Spatially Ordered and Weighted Patch Descriptor for Visual Tracking

- Supplementary Material -

Anonymous ICCV Submission
Paper ID 103
Multiple Object Tracking

CDT: Cooperative Detection and Tracking for Tracking Multiple Objects in Video Sequences
- Supplementary material -

Anonymous ECCV submission
Paper ID: 1293
Primary Object Segmentation

- Qualitative results

Experimental Results on DAVIS Dataset
• Source codes and datasets are available at http://mcl.korea.ac.kr