A Guide to Self-study on MATLAB Programming

(fundamental)
1. A Glimpse at MATLAB (matrix laboratory)
2. Availability

Software: *Software Center* (FIT)

*Applied Computing Center* (3rd floor)
(online version *MATLAB R2017a*)
3. Tips on Self-study

Key-word Search & Case Studies & Homework

- skillful searching by MATLAB online help
- creation of MATLAB recipe of your own
- University Math
  University Physics
  Paperless & Archived

Practice, Practice, Practice,……
4. MATLAB Help manual (R2017a version)

Documentation
Examples
Support Web Site

(Demo)
5. Split-window Approach

Key-word help search sub-window

Programming sub-window
6. Summary

(a) “Help=&gt;Documentation=&gt;Getting Started with MATLAB=&gt;Tutorials”

(b) Practice & Command-window

fx>>&gt; quick search

(c) Script coding (*.m file) &

Documentation, Examples, or

fx>>&gt; search

(d) Case studies & Homework

(Physics and Math)

(e) Your own “MATLAB recipe”

(saved programs with good names for recalling).
7. Practical Significance

1. *Figure Editing* for peer-reviewed publications (in academia)

2. *Computation Ability* in industry (job market).

3. *Compatibility* with other languages (LabVIEW, C++, etc)

EMCCD camera (Electron Multiplying Charge Coupled Device)
Question Section

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Thank you!