

Analysis Methods in Atmospheric and Oceanic Science

AOSC 652

Class Projects
Week 14, Day 1

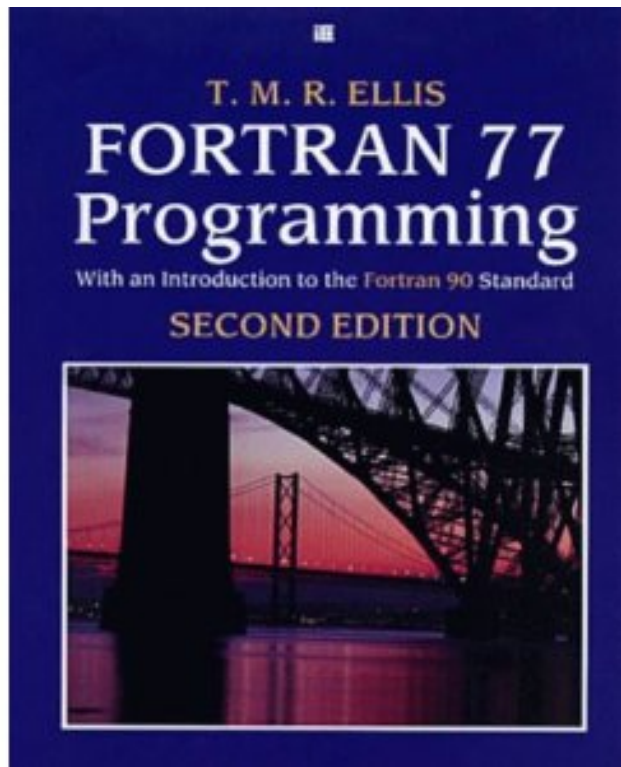
28 Nov 2016

AOSC 652: Analysis Methods in AOSC

Logistics

FORTRAN Book:

- Would like to start getting returns of Ellis book
- \$20 to be refunded upon return of book



AOSC 652: Analysis Methods in AOSC

Logistics

Projects:

- descriptions overall great but for 3 students, we have requested additional info
- students should be prepared to show us data files (file format, organizational structure) today

Attendance and Participation:

- grades posted on ELMS
- 10% of final grade
- reflects consensus of Jeff, Ross, and Tim

AOSC 652: Analysis Methods in AOSC

Student	Topic	Data Files or Model Desc
Chang, Chu-Chan	Observation operator, variational system	Model: F90
Eure, Keenan	Palmer experiment, chaos theory	Model: inherited code
Fedkin, Nikita	Sulfate & nitrate deposition trends	Data Files: SO ₂ & NO ₂
Fricke, Patty	Cyclogenesis on ozone	Data Files: Ozone & Winds
Gohil, Kanisk	SLP & SST during ENSO	Data Files: SLP & SST
Jeffrey, Dylan	Thermal Structure, freezing rain	Data Files: METAR Obs
Kahn, Doug	Off-shore thunderstorm characterization	Data Files: lightning, CAPE, etc
McBride, Laura	Global snow cover, 2000 to 2016	Data Files: Snow & Ice Data Ctr
Malloy, Kelsey	Stratospheric Air Intrusions	Data Files: O3, humidity
Ortiz, Alex	Renewable Energy	Data Files: irrad, wind speed, etc
Porter, Greg	500 mb blocking events for forecasting	Data Files & Project Scope
Sengupta, Agniv	Periodicity of AMO	Data Files & Method to Detrend AMO
Treacy, Angie	Population, climate, and water	Model: COWA & visualizations
Varada, Sai	NO _x and VOC emissions	Visualizations
Williams, Matt	Global warming hole, U.S.	Data Files: Num of centers & lapse rate