DANIELE PROCIDA

LET'S GET YOUR DOCUMENTATION RIGHT

DANIELE PROCIDA

- Divio (cloud hosting for Python/Django)
- Django core developer
- Board member, Django Software Foundation
- Python in Africa
- daniele.procida@divio.com
- EvilDMP (IRC, GitHub, Twitter)
- … or just talk to me!

THERE ISN'T ONE THING CALLED "DOCUMENTATION"...

. . . THERE ARE FOUR

Developer Handbook

DIVIO

Search docs

- Tutorial
- How-to guides
- Technical reference
- Background information

Contents

Tutorial

Get started with a hands-on introduction to the Divio Cloud for developers.

How-to guides

Step-by-step guides for the developer covering key operations and procedures

Reference

Technical reference - tools, components and commands

Background

Explanation and discussion of key topics

TUTORIALS

HOW-TO GUIDES

EXPLANATION

REFERENCE

TUTORIALS

lessons that take the reader by the hand through a series of steps to complete a project

WHAT MATTERS

- learning by doing
- getting started
- inspiring confidence
- repeatability
- immediate sense of achievement
- concreteness, not abstraction
- minimum necessary explanation
- no distractions

HOW-TO GUIDES

guides that take the reader through the steps required to solve a common problem

WHAT MATTERS

- a series of steps
- a focus on the goal
- addressing a specific question
- no unnecessary explanation
- a little flexibility
- practical usability
- good naming

Crab with wakame salad and wasabi mayonnaise

Try this simple to prepare salad of white crabmeat served with cucumber, seaweed and spicy mayonnaise.

By Rick Stein
From Spring Kitchen with Tom Kerridge

Preparation time
less than 30 mins

Cooking time
less than 10 mins

Serves
Serves 4

Ingredients

40g/1½oz dried wakame seaweed

½ cucumber, peeled

225g/8oz fresh white crabmeat

1 tbsp bonito flakes

For the wakame dressing

½ tsp dashi granules

40ml/1½fl oz warm water

8ml rice wine vinegar

REFERENCE

technical descriptions of the machinery and its operation

WHAT MATTERS

- structure
- consistency
- description
- accuracy

Ginger

From Wikipedia, the free encyclopedia

For other uses, see Ginger (disambiguation).

Ginger (*Zingiber officinale*) is a flowering plant whose rhizome, **ginger root** or simply **ginger**, is widely used as a spice or a folk medicine.[2]

It is a herbaceous perennial which grows annual stems about a meter tall bearing narrow green leaves and yellow flowers. Ginger is in the family Zingiberaceae, to which also belong turmeric (*Curcuma longa*), cardamom (*Elettaria cardamomum*), and galangal. Ginger originated in the tropical rainforest in Southern Asia. Although ginger no longer grows wild, it is thought to have originated on the Indian subcontinent because the ginger plants grown in India show the largest amount of genetic variation. Ginger was exported to Europe via India in the first century AD as a result of the lucrative spice trade and was used extensively by the Romans.

The distantly related dicots in the genus *Asarum* are commonly called *wild ginger* because of their similar taste.

Etymology

The origin of "ginger" is from the mid-14th century, from Old English *gingifer*, from Medieval Latin *gingiber*, from Latin *zingiberi*, from Greek *zingiberis*, from Prakrit (Middle Indic) *singabera*, from Sanskrit *srngaveram*, from *srngam* "horn" + *vera-* "body", from the shape of its root. But this may be Sanskrit folk etymology, and the word may be from an ancient Dravidian name that also produced the Tamil and Malayalam name for the spice, *inchi-ver*, from *inchi* "root." cf. gin (v.). The word probably was readopted in Middle English from Old French *gingibre* (modern French *gingembre*).[3][4]

Horticulture

Ginger produces clusters of white and pink flower buds that bloom into yellow flowers. Because of its aesthetic appeal and the adaptation of the plant to warm climates, it is often used as landscaping around subtropical homes. It is a perennial reed-like plant with annual leafy stems, about a meter (3 to 4 feet) tall.

Ginger

1896 color plate from *Köhler's Medicinal Plants*

Scientific classification

Kingdom:	Plantae
Clade:	Angiosperms
Clade:	Monocots
Clade:	Commelinids
Order:	Zingiberales
Family:	Zingiberaceae
Genus:	*Zingiber*
Species:	***Z. officinale***

Binomial name

Zingiber officinale

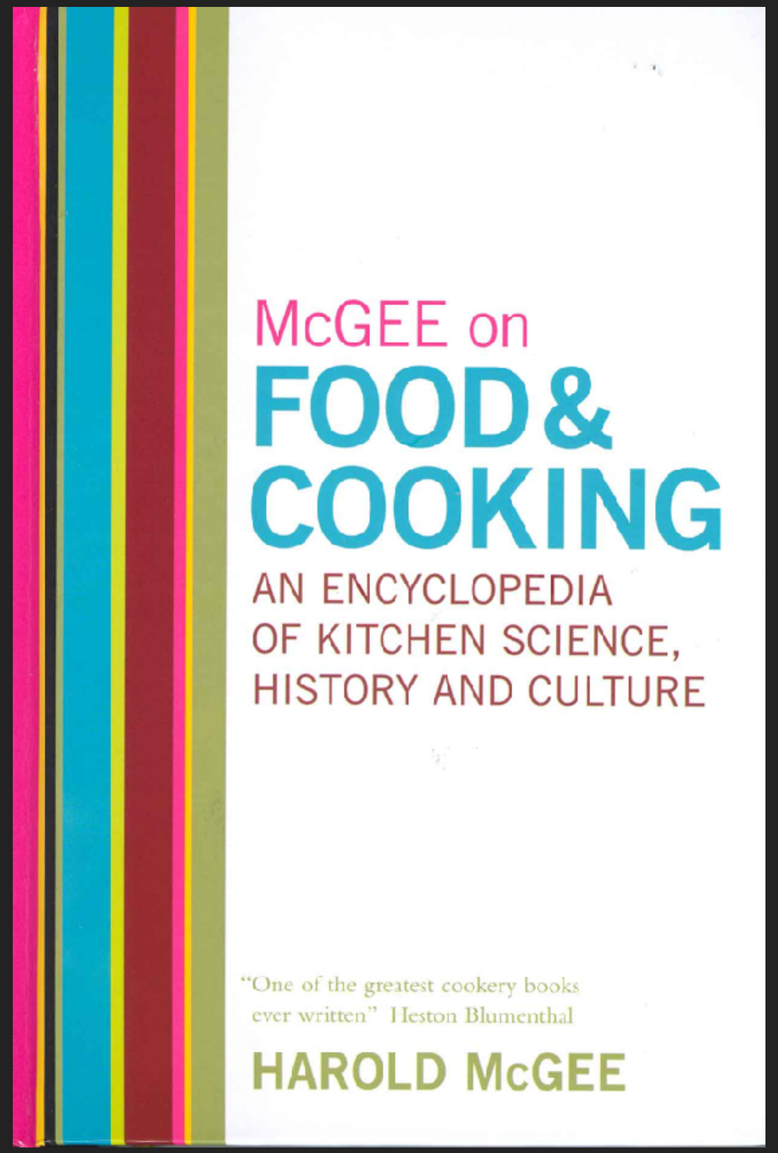
Roscoe 1807[1]

EXPLANATION

discussions that clarify and illuminate a particular topic

WHAT MATTERS

- giving context
- explaining why
- multiple examples, alternative approaches
- making connections
- no instruction or technical description



TUTORIALS

LEARNING-ORIENTED

HOW-TO GUIDES

PROBLEM-ORIENTED

UNDERSTANDING-ORIENTED

EXPLANATION

INFORMATION-ORIENTED

REFERENCE


TUTORIALS
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Practical steps

TUTORIALS

HOW-TO GUIDES

HOW-TO GUIDES

Most useful when we're coding

REFERENCE

EXPLANATION

REFERENCE

Theoretical knowledge

TUTORIALS

Most useful when we're studying

EXPLANATION


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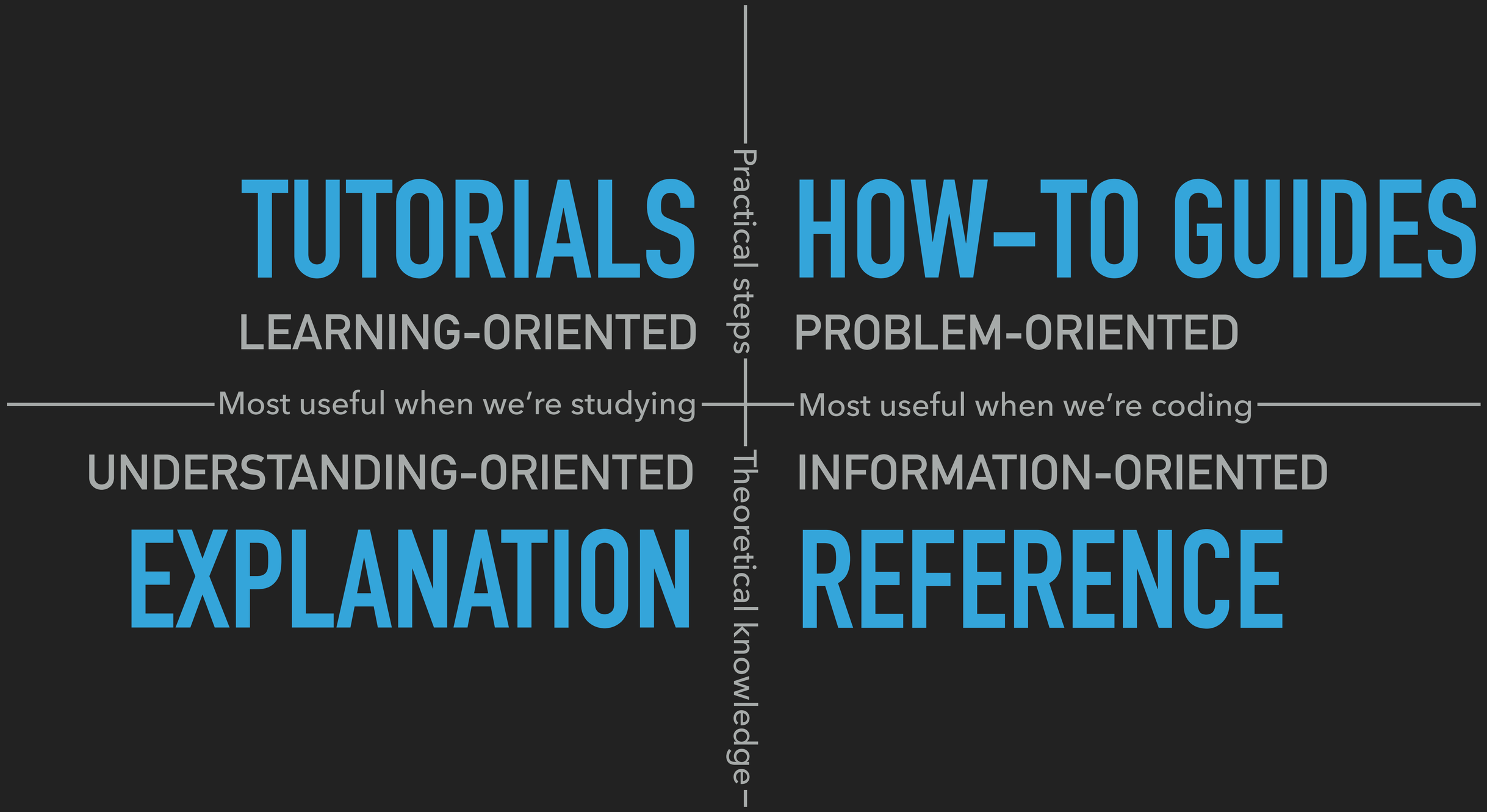
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Django documentation ¶

Everything you need to know about Django.

How the documentation is organized

Django has a lot of documentation. A high-level overview of how it's organized will help you know where to look for certain things:

- Tutorials take you by the hand through a series of steps to create a Web application. Start here if you're new to Django or Web application development. Also look at the "First steps" below.
- Topic guides discuss key topics and concepts at a fairly high level and provide useful background information and explanation.
- Reference guides contain technical reference for APIs and other aspects of Django's machinery. They describe how it works and how to use it but assume that you have a basic understanding of key concepts.
- How-to guides are recipes. They guide you through the steps involved in addressing key problems and use-cases. They are more advanced than tutorials and assume some knowledge of how Django works.

django CMS documentation

Overview

django CMS is a modern web publishing platform built with Django, the web application framework "for perfectionists with deadlines".

django CMS offers out-of-the-box support for the common features you'd expect from a CMS, but can also be easily customised and extended by developers to create a site that is tailored to their precise needs.

Tutorials - start here

For the new django CMS developer, from installation to creating your own addon applications.

How-to guides

Practical step-by-step guides for the more experienced developer, covering several important topics.

Key topics

Explanation and analysis of some key concepts in django CMS.

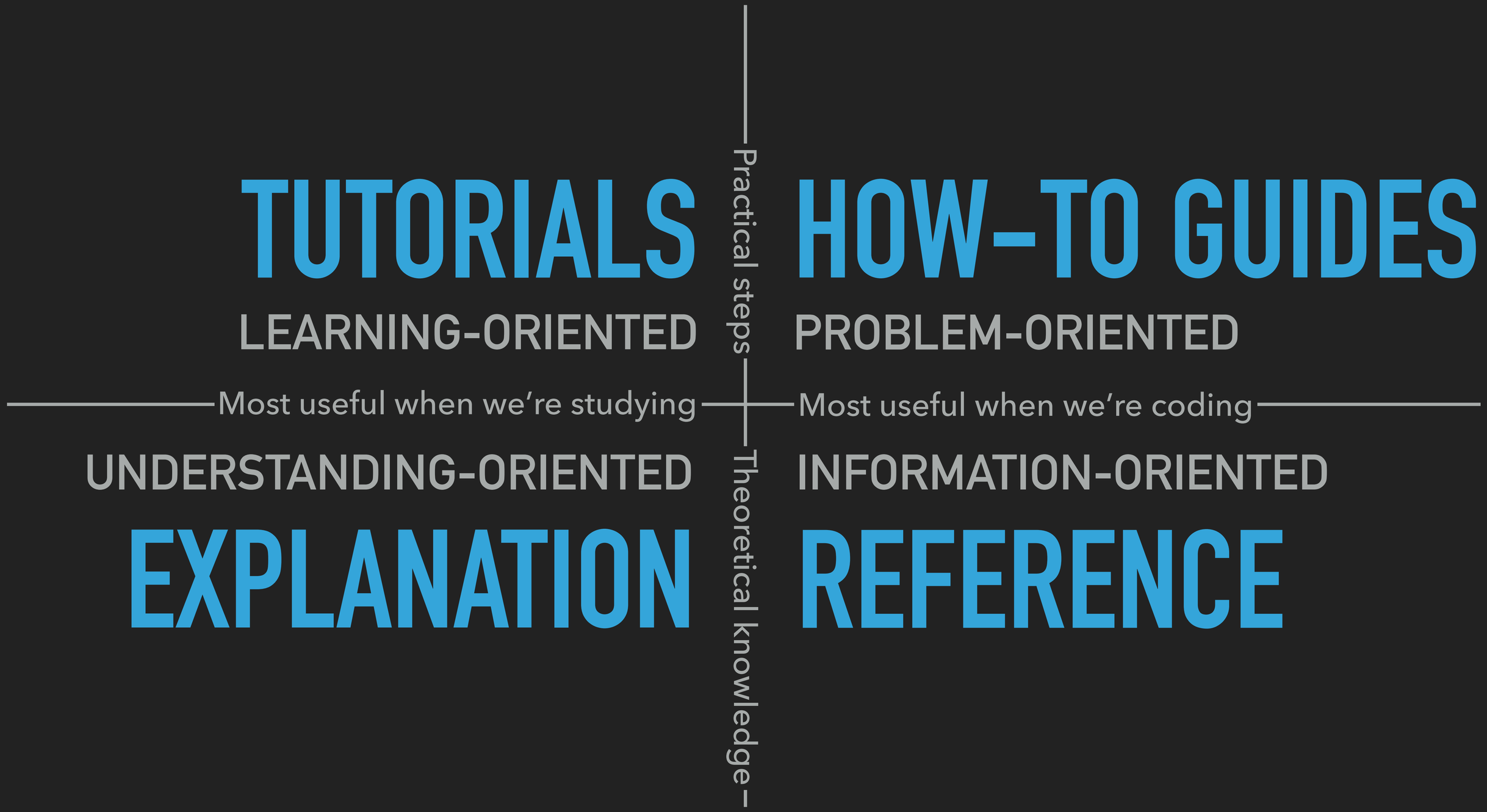
Reference

Technical reference material, for classes, methods, APIs, commands.

Welcome to Nashpy's documentation!

This is a Python library used for the computation of equilibria in 2 player strategic form games.

This is a library with simple dependencies (it only requires `numpy` and `scipy`) so that it is pip installable: if you want to do sophisticated equilibria computation you should use gambit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ANOTHER EXAMPLE

TUTORIALS

LEARNING-ORIENTED LESSONS

HOW-TO GUIDES

PROBLEM-ORIENTED STEPS

SEABOARD WORLD AIRLINES 747F

NORMAL OPERATING CHECKLIST

BEFORE STARTING

- INS ..... 3 CKD/ALIGN
  0_2 & INTERPHONE ..... ON 100% CKD/BOOM
  STATIC SOURCE SEL ..... NORMAL
  ANTI-SKID ..... ON
- BODY GEAR STEERING ..... ARM
- AUTO BRAKE ..... LDG-OFF
- COMPASS CONTROLLERS ..... SLAVED
- EMERGENCY LIGHTS ..... ARMED
- SEAT BELT, NO SMOKE ..... ON
  ALT FLAPS ..... OFF
  STALL WARNING ..... TEST/NORMAL
  MACH A/S ..... TEST
- NACELLE & WING ANTI-ICE ..... OFF
- PROBE HEAT ..... PITOTS ONLY
- WINDOW HEAT ..... ON
- EXTERIOR LIGHTS ..... SET
- RADIO INS SWITCH ..... RADIO
- NAV RADIOS/AUTO FLT PANEL ..... CKD/SET
- GROUND PROX ..... TEST
  FLT MODE ANNUNCIATORS ..... TEST
- FLT INSTR/FLT DIR/ALTS ..... CKD/TEST/SET
  RADIO ALT ..... TEST
  RESERVE BRAKE ..... CKD/CLOSED
  LDG GEAR ..... DOWN/GREEN
- SPEED BRAKE ..... FWD DETENT
- THROTTLES/START LEVERS ..CLOSED/CUTOFF
- PARK BRAKE ..... SET/PRESS CKD
- SELCAL/RADAR & TRANSPONDER ...SET/STBY
- ELECTRICAL PANEL ..... SET
- OIL QUANTITY ..... NORMAL
- FUEL QTY/GROSS WT ..... _____ LBS/SET

BEFORE TAXI

START ARM SWITCH ..... OFF
ELECTRICAL POWER ..... SET
APU BLEED ..... CLOSE
HYDRAULICS ..... AUTO/NORMAL/QTY CKD
SEAT BELTS & SHLDR HARNESS ..... ON
GEAR & NOSE STEER PINS ..... REMOVED/CKD
GROUND EQUIPMENT ..... DISCONNECT/CLEAR

TAXI CHECK

NACELLE ANTI-ICE ..... SET
FLAPS ..... _____/_____ GREEN LIGHTS/DETENT
CONTROLS ..... CKD
STAB & TRIM ..... THREE SET
TAKE OFF DATA ..... CKD/SET
FLT & NAV INSTRUMENTS ..... X-CKD/SET
ALTITUDE SELECT ..... _____' SET
APU ..... SHUT DOWN
CARGO HEAT ..... NORMAL
FUEL HEAT ..... OFF

FUEL SYS ..... SET/MAIN BOOST PUMPS ON
IGNITION ..... FLT START
ANNUNCIATOR LIGHTS ..... CKD
AIR COND ..... SET

BEFORE TAKE OFF

LANDING & STROBE LIGHTS ..... ON
TRANSPONDER ..... ON
AUTO BRAKE ..... ARM
BODY GEAR ..... DISARM

CLIMB

LANDING GEAR ..... UP & OFF
FLAPS ..... UP-LIGHTS OUT
PROBE HEAT ..... ON
NO SMOKE ..... OFF
IGNITION ..... SET
FUEL SCHED ..... SET
AIR COND ..... SET

18,000 FT/OR/TRANSITION LEVEL CHECK

ALTIMETERS ..... SET/X-CKD
LANDING DATA ..... SET
LANDING & LOGO LIGHTS ..... ON/10,000'

APPROACH

FLAPS ..... _____/_____ GREEN LIGHT/DETENT
ADF/VOR SWITCHES ..... SET
RADIO ALT ..... MDA/DH SET
NACELLE ANTI-ICE ..... SET
FUEL SYS ..... MAIN BOOST ON/HEAT OFF
NO SMOKE ..... ON

BEFORE LANDING

LANDING GEAR ..... DOWN-GREEN LIGHT
AUTO BRAKE ..... SET/LT OUT
SPEED BRAKE ..... ARM

FLAPS ..... SET
FLAG SCAN OM-500' ..... CALL OUT

AFTER LANDING

BODY GEAR STEERING ..... ARMED
SPEED BRAKE ..... DOWN/DETENT
FLAPS ..... UP/LTS OUT
LDG LTS & STROBE LIGHTS ..... SET
IGNITION ..... OFF
RADAR & TRANSPONDER ..... OFF
STABILIZER TRIM ..... 5 SET
BRAKE TEMP & HYDRAULICS ..... CKD
ANTI-SKID GROUND MODE ..... TEST
UPPER DECK & CARGO HEAT ..... OFF
FIRE WARNING ..... TEST
APU ..... START

PARKING

PARKING BRAKE ..... SET
APU OR EXTERNAL POWER ..... CONNECTED
START LEVERS ..... OFF

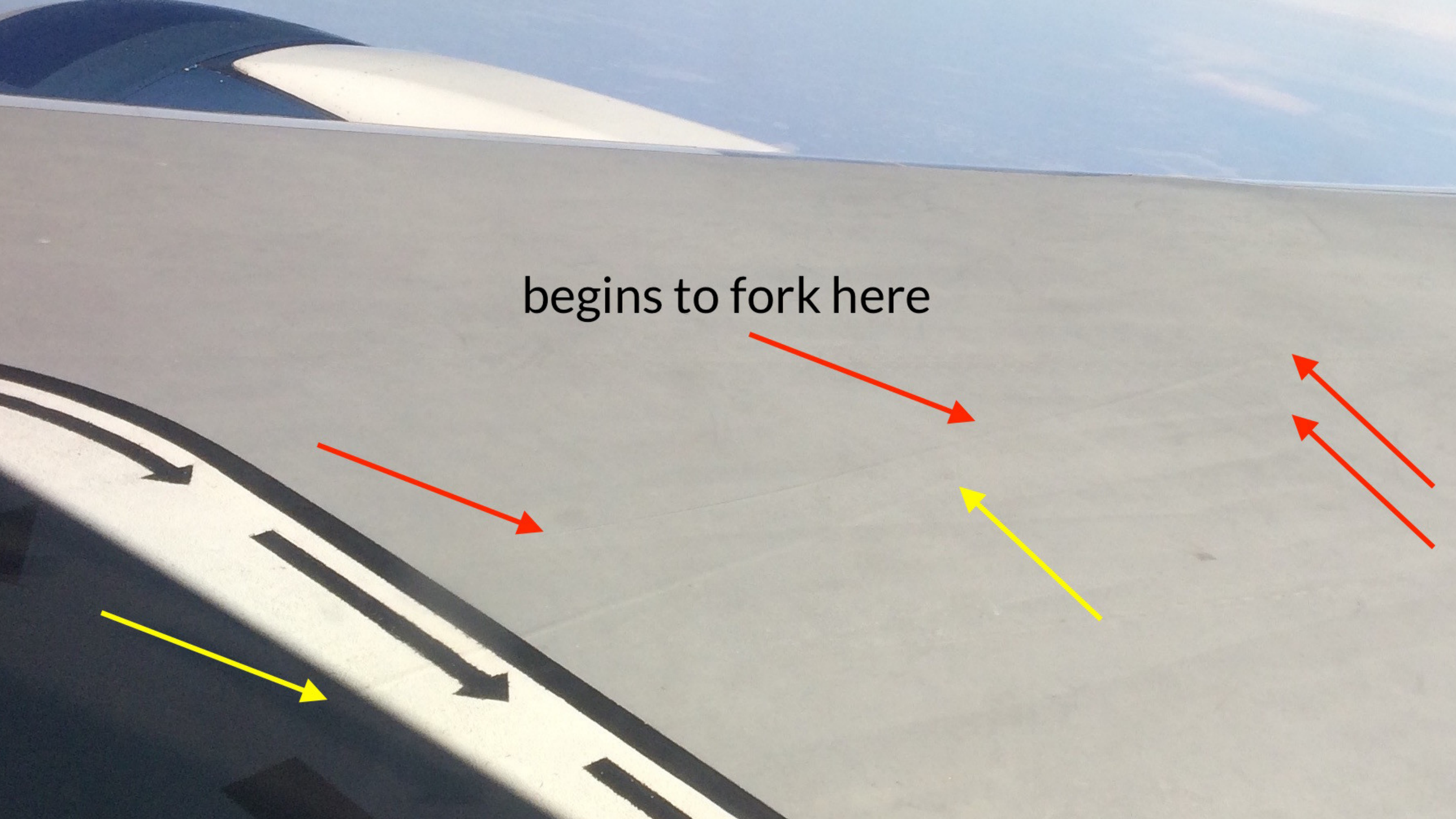
REFERENCE

INFORMATION-ORIENTED TECHNICAL DESCRIPTION

N46°00'
KEIKO
1578
1785
2910
3950
4255
3973
Lake Merwin
WOODLAND STATE (W27)
122.90 CTAF
29 1953
RP 14
WOODLAND
ROARK
1542
OKARE
1768
AMBOY
1886
TRAPPER CREEK WILDERNESS
3415
4859
1870
PITER
807
958
WOODLAND
WALTER SUTTON'S PRIVATE STRIP (WA79)
451 2000
OJUMU
4147
Columbia River
VERNONIA (05S)
122.90 CTAF
647 2940
RP 09
778
VERNONIA
2080
ST HELENS
RIDGEFIELD N.W.R.
La Center
GOHEEN (W52)
122.90 CTAF
292 2565
BATTLE GROUND
116.6 BTG
Yacolt
3802
4288
4432
4209
V112 59 ← 274°
DAFFI
SCAPPOOSE INDUSTRIAL KSPB
122.80 CTAF
ASOS 135.87
58 5100 122.80
RP 33
RIDGEFIELD
DAYBREAK (WA46)
25 2200
PARKSIDE AIRPARK (WA87)
275 2100
DMAZH
039° → 102 V448
AXQOX
054° → 105 V468
2516
2260
2129
2165
DMBOR
4173
1631
MAHKE
EYAVU
BATTLE GROUND
584
CEDARS NORTH (W58)
122.90 CTAF
275 1960
5 9
COLUMBIA RIVER GORGE NATIONAL SCENIC AREA
SCAPPOOSE
PIQRI
4380
V112
V182 62 ← 251°
070° →
CARBY
KEY WAY (19WA)
972 2300
1312
SCAPO
CHINOOK ULTRALIGHT AIRPARK (52OR)
40 650
4 3
BRUSH PRAIRIE AERODROME (5WA9)
290 2800
2228
GYMME
CASCADE LOCKS
APPLE VALLEY (OR61)
247 2470
1608
C 1800-4000
C 2000-4000
3379
Stevenson
HOGUM
EFAS SCAPPOOSE 122.00
FLY FOR FUN (W56)
122.90 CTAF
297 2434
RP 25
1434
North Bonneville
1765
BANKS
356 PND
RCO VANCOUVER 122.35
RCO PORTLAND 122.60
C 1100-4000
PEARSON KVUO
123.00 CTAF
ASOS 135.12
25 3275 123.00
RP 26
500
CASCADE LOCKS STATE KCZK
122.90 CTAF
151 1800
RP 24
542
VANCOUVER
089° → 65 V520
2080
2392
440
MOUNTAINDALE (63OR)
180 2300
NORTH PLAINS (1OR4)
210 2000
425
D 1100
GREEN MOUNTAIN (WA67)
270 2000
GROVE (1W1)
122.90 CTAF
429 2710
BROWN'S CAPE HORN (4WA1)
920 2000
MARK O. HATFIELD WILDERNESS
SKYPORT (4S4)
122.90 CTAF
174 2000
RP 16
SUNSET AIR STRIP (1OR3)
207 3050
400
LAKER
332 LBH
PORTLAND-TROUTDALE KTTD
CTWR 120.90 * (CTAF)
ATIS 135.62
39 5399 122.95
1398
3894
OGYAJ
1798
OLINGER AIRPARK (OR81)
185 2000
NOONS
PORTLAND
111.8 PDX
PORTLAND INTL KPDX
CTWR 118.70 123.77
ATIS 128.35
30 11000 122.95
RP 10R, 28R
C 4000
GRESHAM
909
4892
FOREST GROVE
PORTLAND-HILLSBORO KHIO
CTWR 119.30 * (CTAF)
ATIS 127.65
208 6600 122.95
RP 30, 02
D 2700
2049
2049
546
1299
3944
BONVL
LEHMAN FIELD (OR50)
1003 2300
N45°30'
W122°00'
Henry Hagg Lake
1522
1618
N45°30'
C 2300-4000
C 1700-4000
D 2500
2631
4006
4734
Bull Run River
1122
MULES
1488
1089
PORTLAND
SCHMIDT (6OR7)
650 2300
MC KINNON AIRPARK (OG29)
658 3000
1247
STARK'S TWIN OAKS (7S3)
123.05 CTAF
170 2465 123.05
HARVEY'S ACRES (OR28)
250 2100
TIGARD
OSWEG
WILEY'S (2OG3)
12 3000
563
HAPPY VALLEY (OL00)
797 2284
991
614
SANDY RIVER (03S)
122.80 CTAF
704 2115 122.80
4409
NEWBERG
117.4 UBG
1631
LAKE OSWEGO
EAGLE NEST RANCH (OR65)
SANDY
NEWBERG
CLACKAMAS HEIGHTS

EXPLANATION

UNDERSTANDING-ORIENTED DISCUSSION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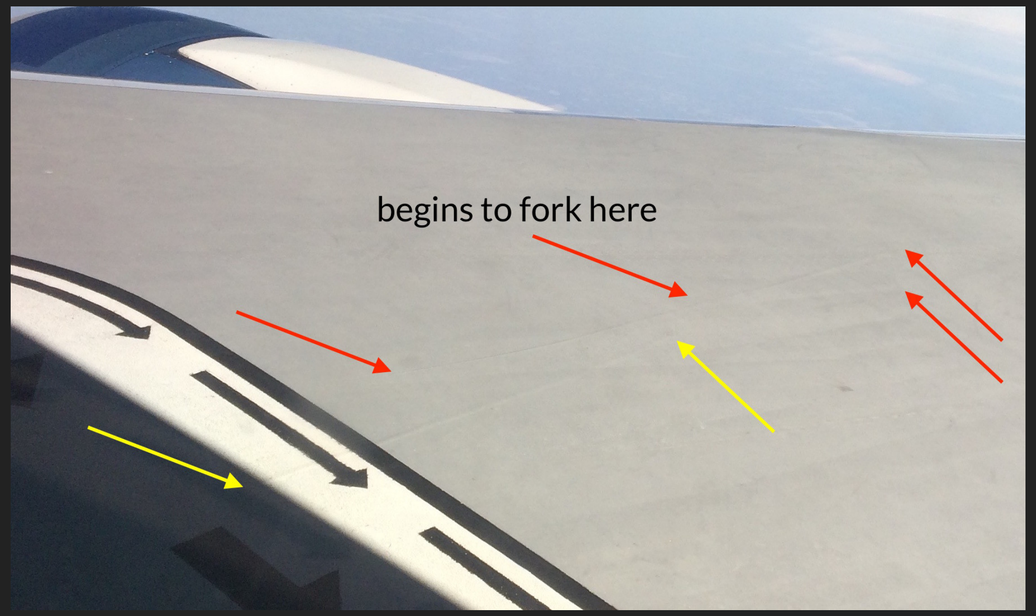
Practical steps

Most useful when we're studying

Most useful when we're coding

Theoretical knowledge



SEABOARD WORLD AIRLINES
747F
NORMAL OPERATING CHECKLIST

BEFORE STARTING

- INS ..... 3 CKD/ALIGN
- O_2 & INTERPHONE ..... ON 100% CKD/BOOM
- STATIC SOURCE SEL ..... NORMAL
- ANTI-SKID ..... ON
- BODY GEAR STEERING ..... ARM
- AUTO BRAKE ..... LDG-OFF
- COMPASS CONTROLLERS ..... SLAVED
- EMERGENCY LIGHTS ..... ARMED
- SEAT BELT, NO SMOKE ..... ON
- ALT FLAPS ..... OFF
- STALL WARNING ..... TEST/NORMAL
- MACH A/S ..... TEST
- NACELLE & WING ANTI-ICE ..... OFF
- PROBE HEAT ..... PITOTS ONLY
- WINDOW HEAT ..... ON
- EXTERIOR LIGHTS ..... SET
- RADIO INS SWITCH ..... RADIO
- NAV RADIOS/AUTO FLT PANEL ..... CKD/SET
- GROUND PROX ..... TEST
- FLT MODE ANNUNCIATORS ..... TEST
- FLT INSTR/FLT DIR/ALTS ..... CKD/TEST/SET
- RADIO ALT ..... TEST
- RESERVE BRAKE ..... CKD/CLOSED
- LDG GEAR ..... DOWN/GREEN
- SPEED BRAKE ..... FWD DETENT
- THROTTLES/START LEVERS ..... CLOSED/CUTOFF
- PARK BRAKE ..... SET/PRESS CKD
- SELCAL/RADAR & TRANSPONDER ..... SET/STBY
- ELECTRICAL PANEL ..... SET
- OIL QUANTITY ..... NORMAL
- FUEL QTY/GROSS WT ..... _____LBS/SET
- FIRE WARNING ..... TEST
- WT & BALANCE ..... _____LBS/_____%
- ANTI SKID GROUND MODE ..... TEST

BEFORE TAXI

START ARM SWITCH ..... OFF
ELECTRICAL POWER ..... SET
APU BLEED ..... CLOSE
HYDRAULICS ..... AUTO/NORMAL/QTY CKD
SEAT BELTS & SHLDR HARNESS ..... ON
GEAR & NOSE STEER PINS ..... REMOVED/CKD
GROUND EQUIPMENT ..... DISCONNECT/CLEAR

TAXI CHECK

NACELLE ANTI-ICE ..... SET
FLAPS ..... _____/_____GREEN LIGHTS/DETENT
CONTROLS ..... CKD
STAB & TRIM ..... THREE SET
TAKE OFF DATA ..... CKD/SET
FLT & NAV INSTRUMENTS ..... X-CKD/SET
ALTITUDE SELECT ..... _____'SET
APU ..... SHUT DOWN
CARGO HEAT ..... NORMAL
FUEL HEAT ..... OFF

FUEL SYS ..... SET/MAIN BOOST PUMPS ON
IGNITION ..... FLT START
ANNUNCIATOR LIGHTS ..... CKD
AIR COND ..... SET

BEFORE TAKE OFF

LANDING & STROBE LIGHTS ..... ON
TRANSPONDER ..... ON
AUTO BRAKE ..... ARM
BODY GEAR ..... DISARM

CLIMB

LANDING GEAR ..... UP & OFF
FLAPS ..... UP-LIGHTS OUT
PROBE HEAT ..... ON
NO SMOKE ..... OFF
IGNITION ..... SET
FUEL SCHED ..... SET
AIR COND ..... SET

TRANSITION LEVEL CHECK/OR/18,000 FT

LOGO & LANDING LTS ..... OFF/10,000'

18,000 FT/OR/TRANSITION LEVEL CHECK

ALTIMETERS ..... SET/X-CKD
LANDING DATA ..... SET
LANDING & LOGO LIGHTS ..... ON/10,000'

APPROACH

FLAPS ..... _____/_____GREEN LIGHT/DETENT
ADF/VOR SWITCHES ..... SET
RADIO ALT ..... MDA/DH SET
NACELLE ANTI-ICE ..... SET
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NO SMOKE ..... ON

BEFORE LANDING

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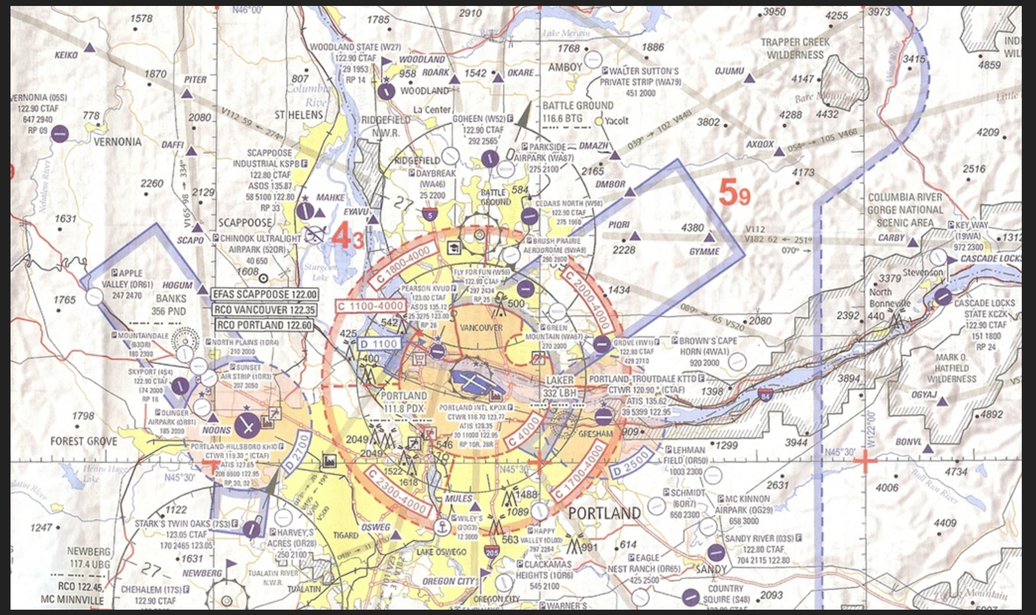
FLAPS ..... SET
FLAG SCAN OM-500' ..... CALL OUT

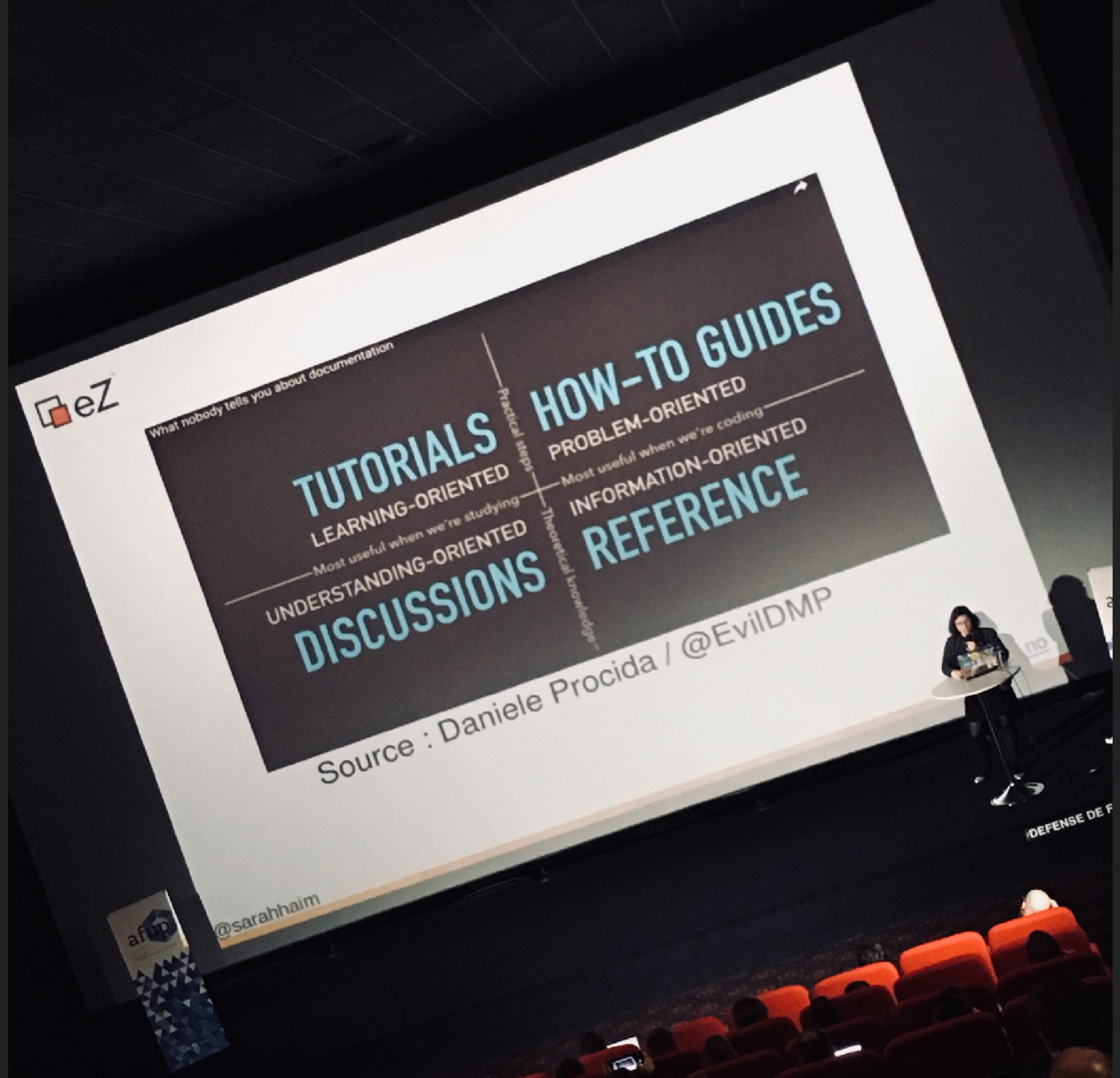
AFTER LANDING

BODY GEAR STEERING ..... ARMED
SPEED BRAKE ..... DOWN/DETENT
FLAPS ..... UP/LTS OUT
LDG LTS & STROBE LIGHTS ..... SET
IGNITION ..... OFF
RADAR & TRANSPONDER ..... OFF
STABILIZER TRIM ..... 5 SET
BRAKE TEMP & HYDRAULICS ..... CKD
ANTI-SKID GROUND MODE ..... TEST
UPPER DECK & CARGO HEAT ..... OFF
FIRE WARNING ..... TEST
APU ..... START

PARKING

PARKING BRAKE ..... SET
APU OR EXTERNAL POWER ..... CONNECTED
START LEVERS ..... OFF
SEAT BELT ..... OFF
PROBE HEAT/WINDOW HEAT ..... OFF
EXTERIOR LIGHTS ..... SET




eZ
What nobody tells you about documentation
TUTORIALS
LEARNING-ORIENTED
Most useful when we're studying
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Most useful when we're coding
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Source : Daniele Procida / @EvilDMP
@sarahhaim
afup
DEFENSE DE F

divio.com/blog/documentation

DOCUMENT THE GAME OF CHESS

Introduction

How to...

Explanation

Reference

Introduction - your first game

1. Set up the board
2. Take each piece through its moves
3. Capture a piece
4. Check the King
5. Checkmate - you win!

How to...

- Open the game
- Respond to common openings
- Control the centre of the board
- Use a chess clock

Explanation

- The history of chess
- Middle-game strategies
- End-game strategies
- Numerical and positional advantage

Reference

- The rules of chess
- Competition rules
- Standard competition formats

LET'S DOCUMENT OUR SOFTWARE

Our API allows us to interrogate and manage all the data associated with a conference - people, presentations, tickets, schedule, etc.

Your job: write the documentation.

Introduction

How to...

Explanation

Reference

Introduction

1. Install the client and demo server
2. Authenticate
3. Read data
4. Construct a complex query
5. Write data

How to…

- Embed the client in an application
- Authenticate using LDAP
- Lock the database for complex writes
- Use query batching
- Use an alternative client

Explanation

- When not to use the API
- Batching vs caching
- Designing complex queries
- Performance-optimisation strategies
- Working with large databases

Reference

- Client commands and options
- Data schema format
- API query language
- The authentication system
- Error codes

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- Divio
- Django
- dockerised Django deployment
- documentation
- daniele.procida@divio.com
- EvilDMP (IRC, GitHub, Twitter)

divio.com/blog/documentation