

The Art Of Exposure



from pin sharp to tastefully blurred ...

Presented by Mike Browne

Mike Browne
Photography Courses

Helping people see more beauty in the world every day by thinking like a photographer

By sharing your images, stories & experiences,
you'll help others experience it differently too

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Mike Browne
Photography Courses

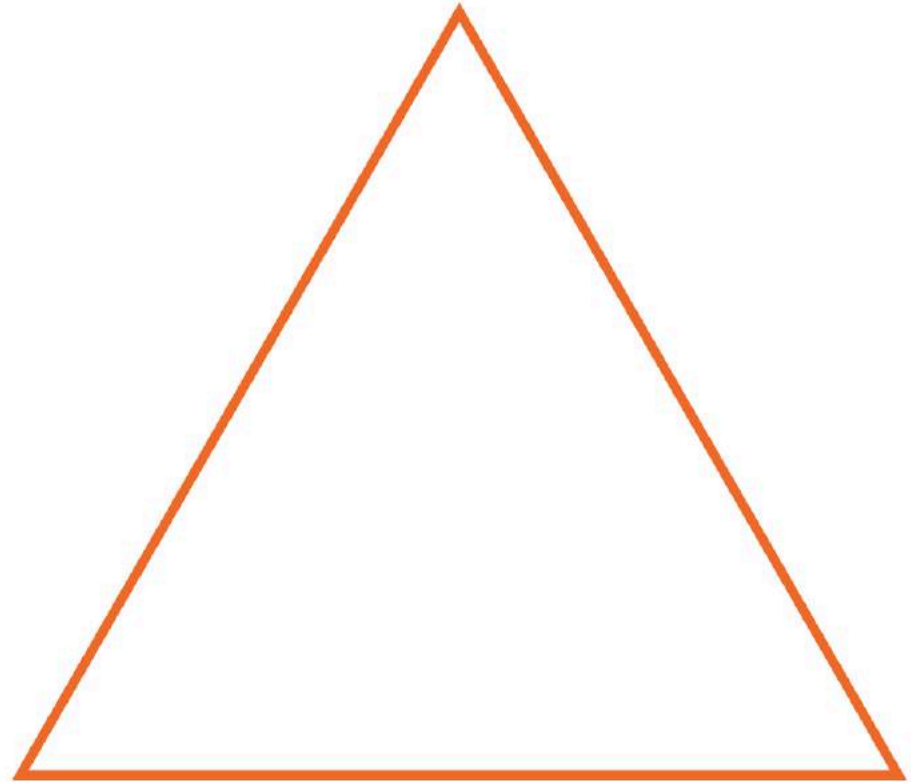
You Can Do This

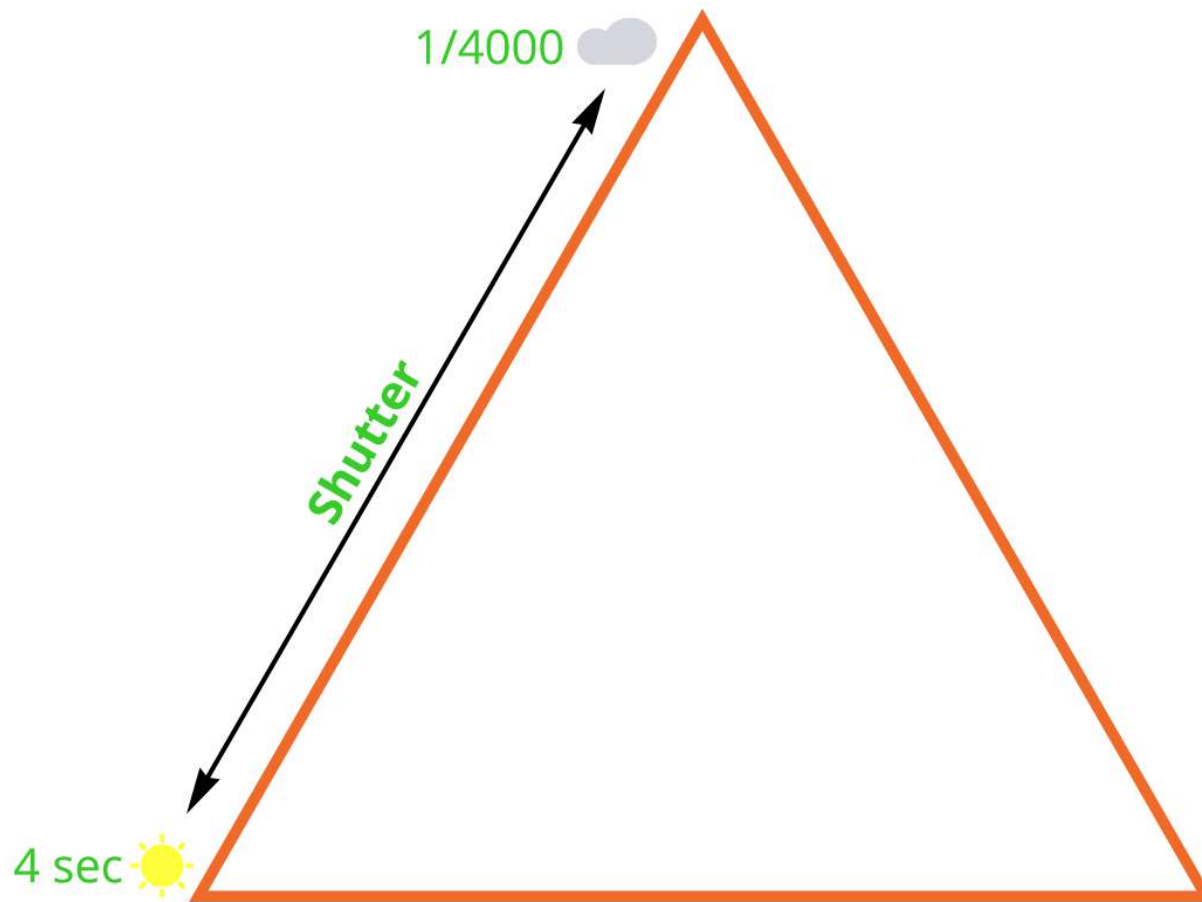
- Exposure controls and their creativity
- Working in Manual Mode - it's not rocket science!
- Be creative with shutters & apertures
- Examples & reasons behind the settings choice
- Sometimes settings don't matter
- What to do when the light meter get's it wrong

3 Sides To Exposure

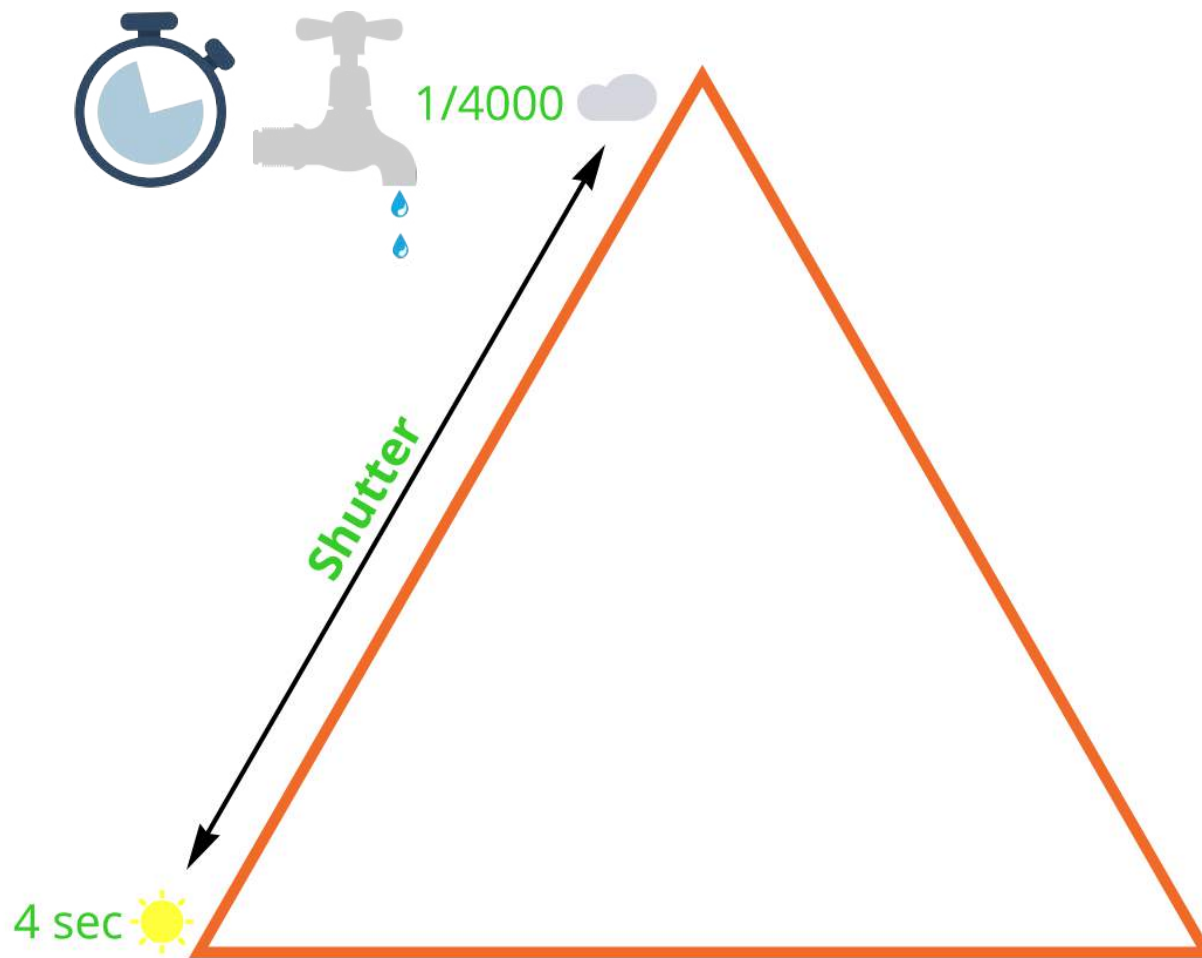
Shutter Speed
Aperture
ISO

(like juggling 3 balls)

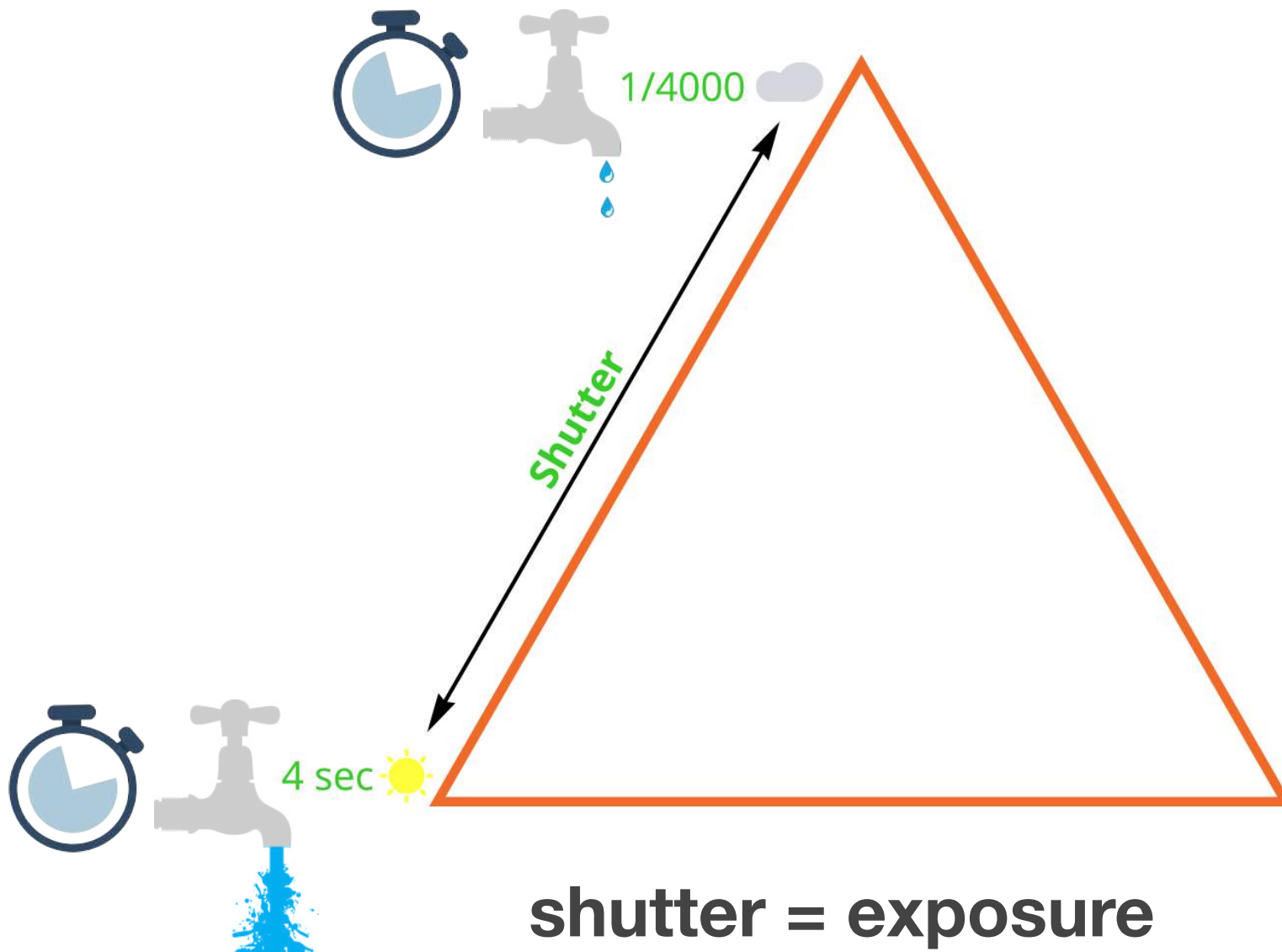


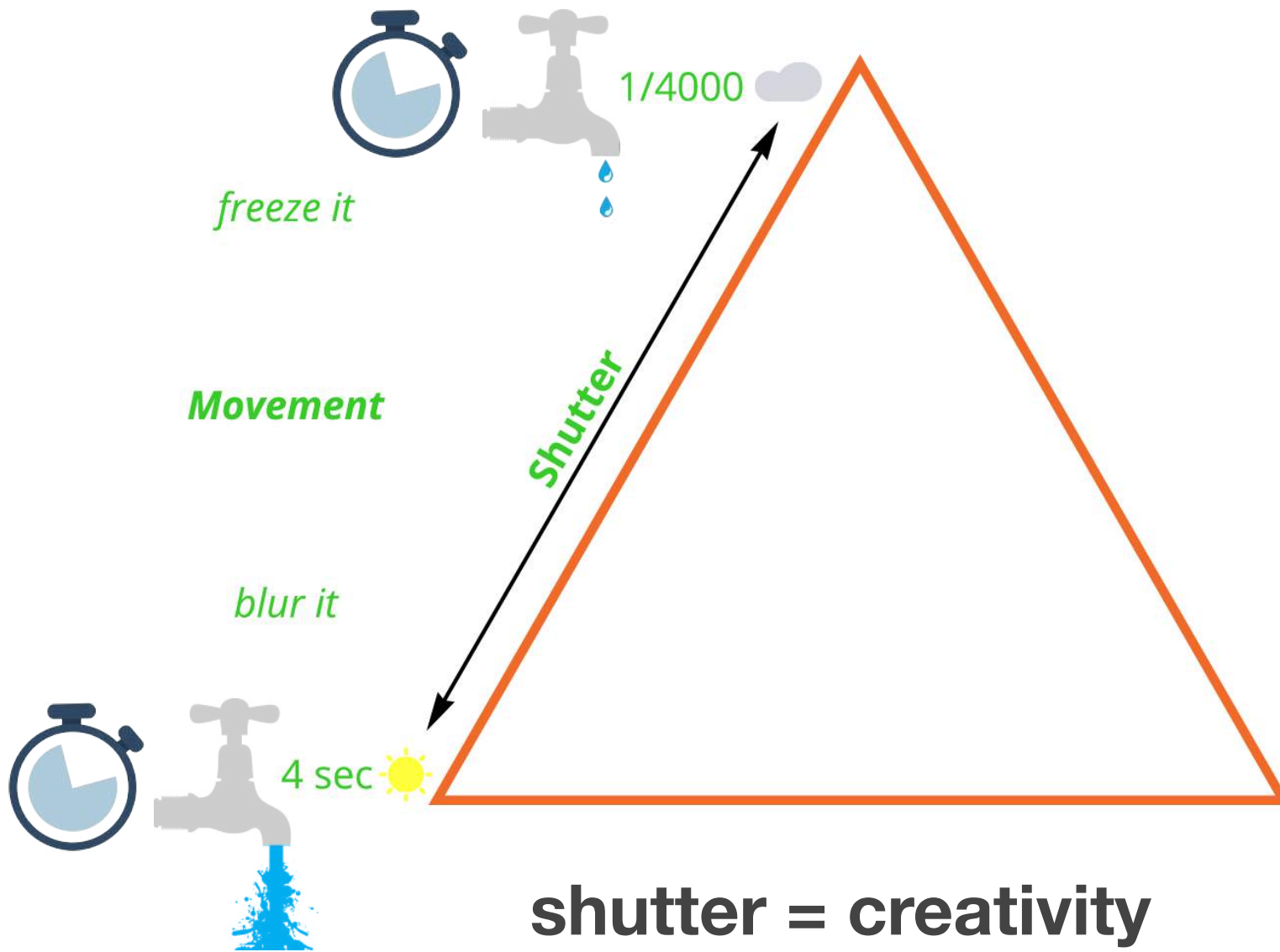


shutter = exposure



shutter = exposure







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1329_vietnam_15-367.jpg

JPEG image - 935 KB

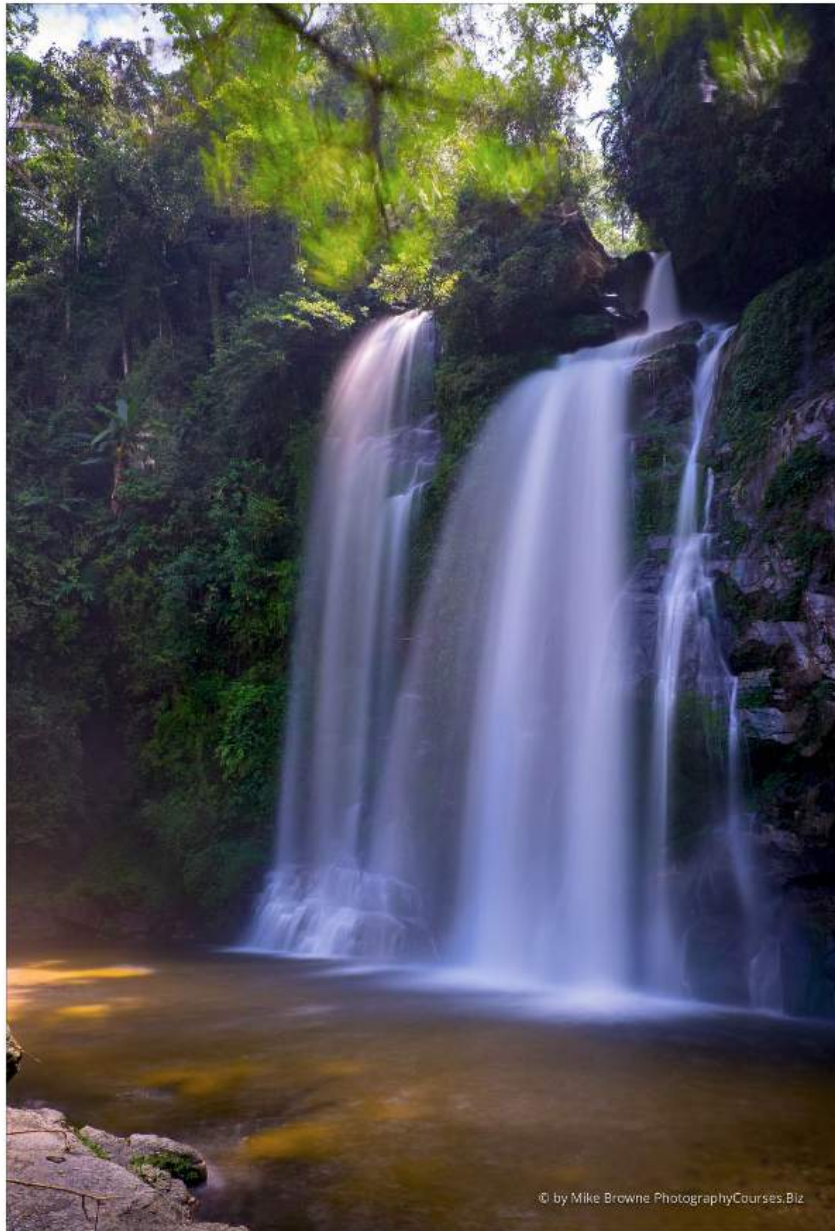
Information

[Show Less](#)

Created	Today, 17:05
Modified	Today, 17:05
Content created	25/09/2015
Dimensions	1367×2000
Resolution	72×72
Colour space	RGB
Colour profile	sRGB IEC61966-2.1
Device make	FUJIFILM
Device model	X-T1
Lens model	XF10-24mmF4 R OIS
Aperture value	4.9709
Exposure time	1/220
Focal length	18.2 mm
ISO speed	200
Flash	No
F number	f/5.6
Metering mode	Average
White balance	0
Content Creator	Adobe Photoshop Lightroom Classic 9.2.1 (Macintosh)

Tags

[Add Tags...](#)



1329_Vietnam_15-368.jpg

JPEG image - 2 MB

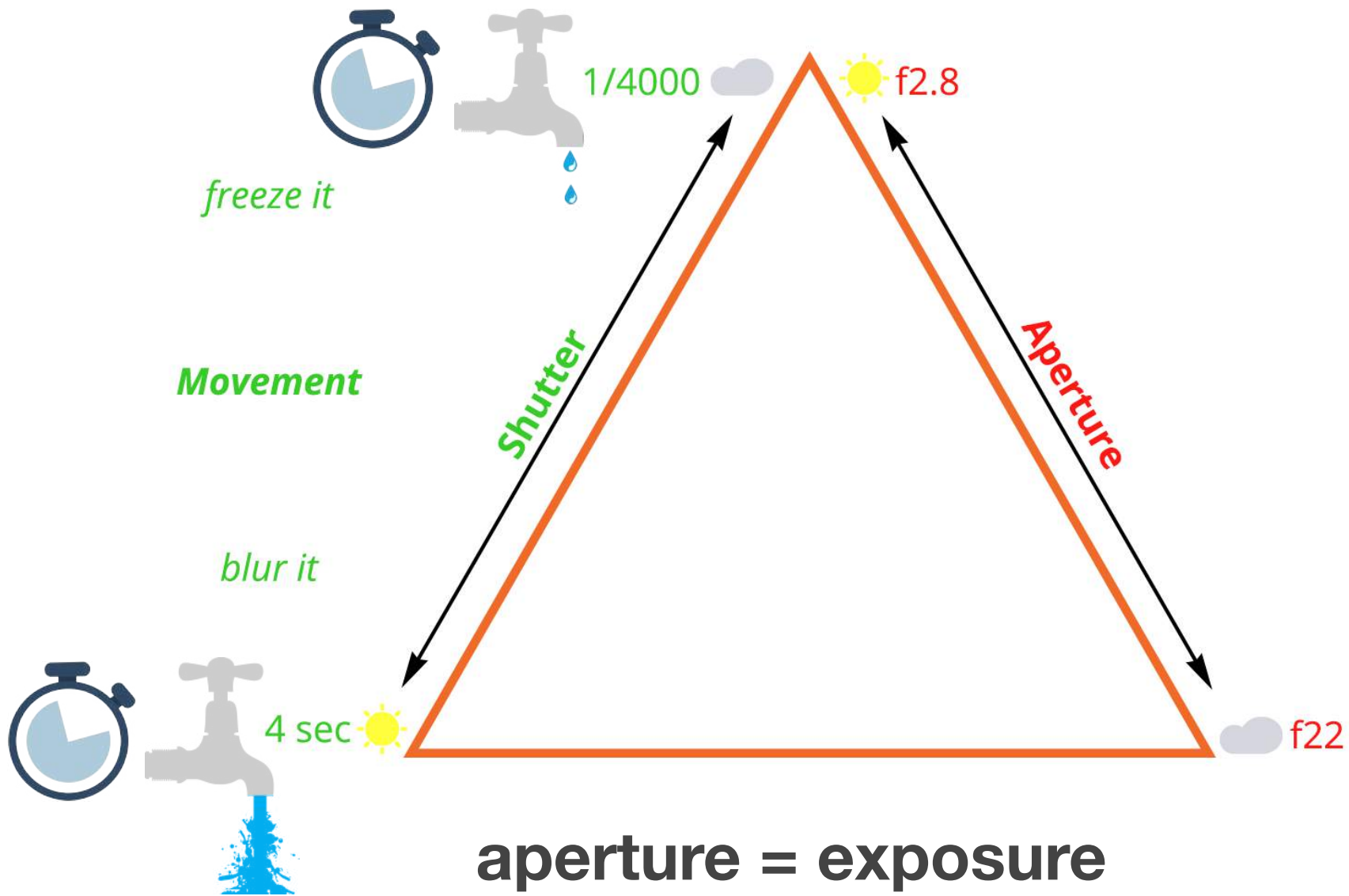
Information

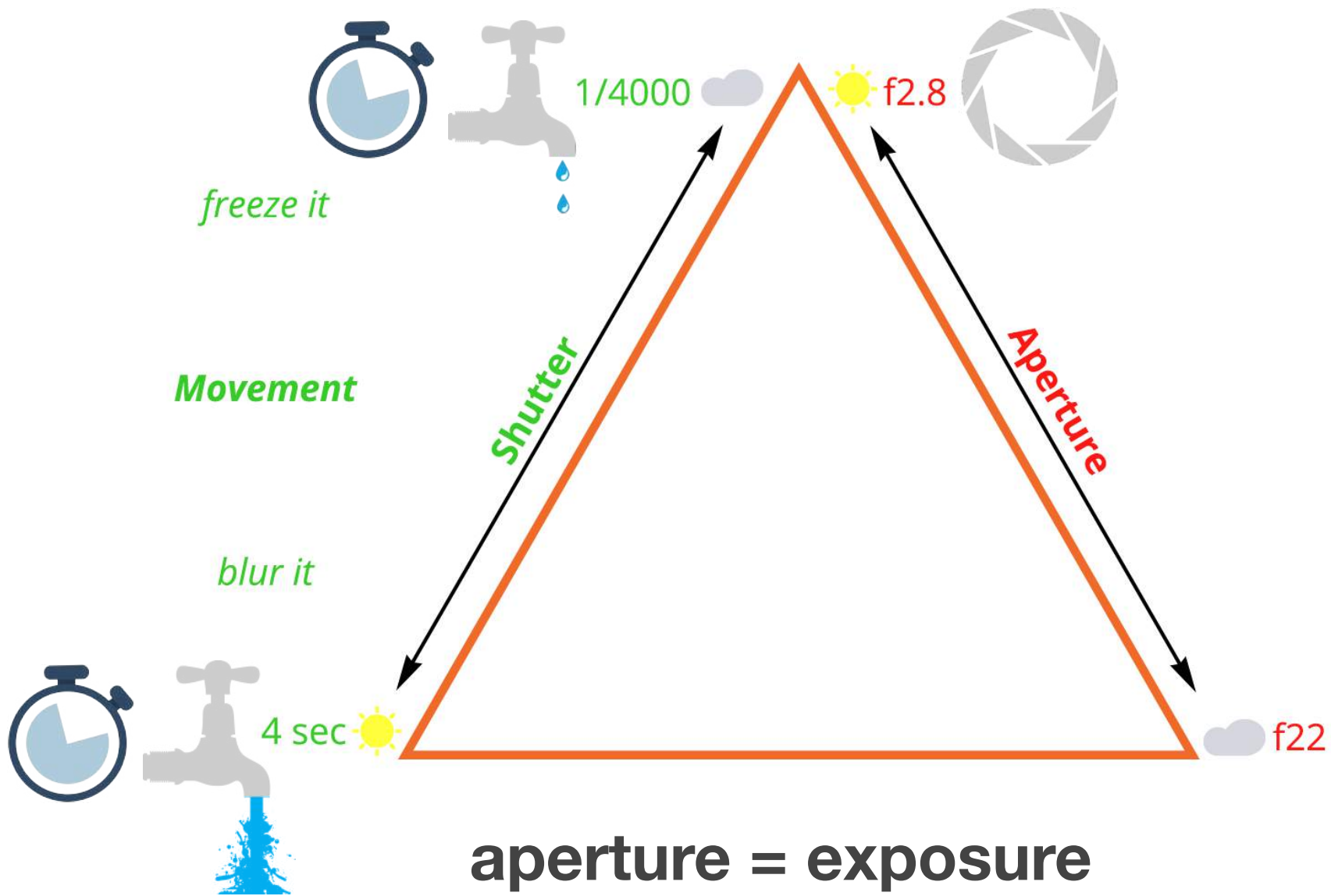
[Show Less](#)

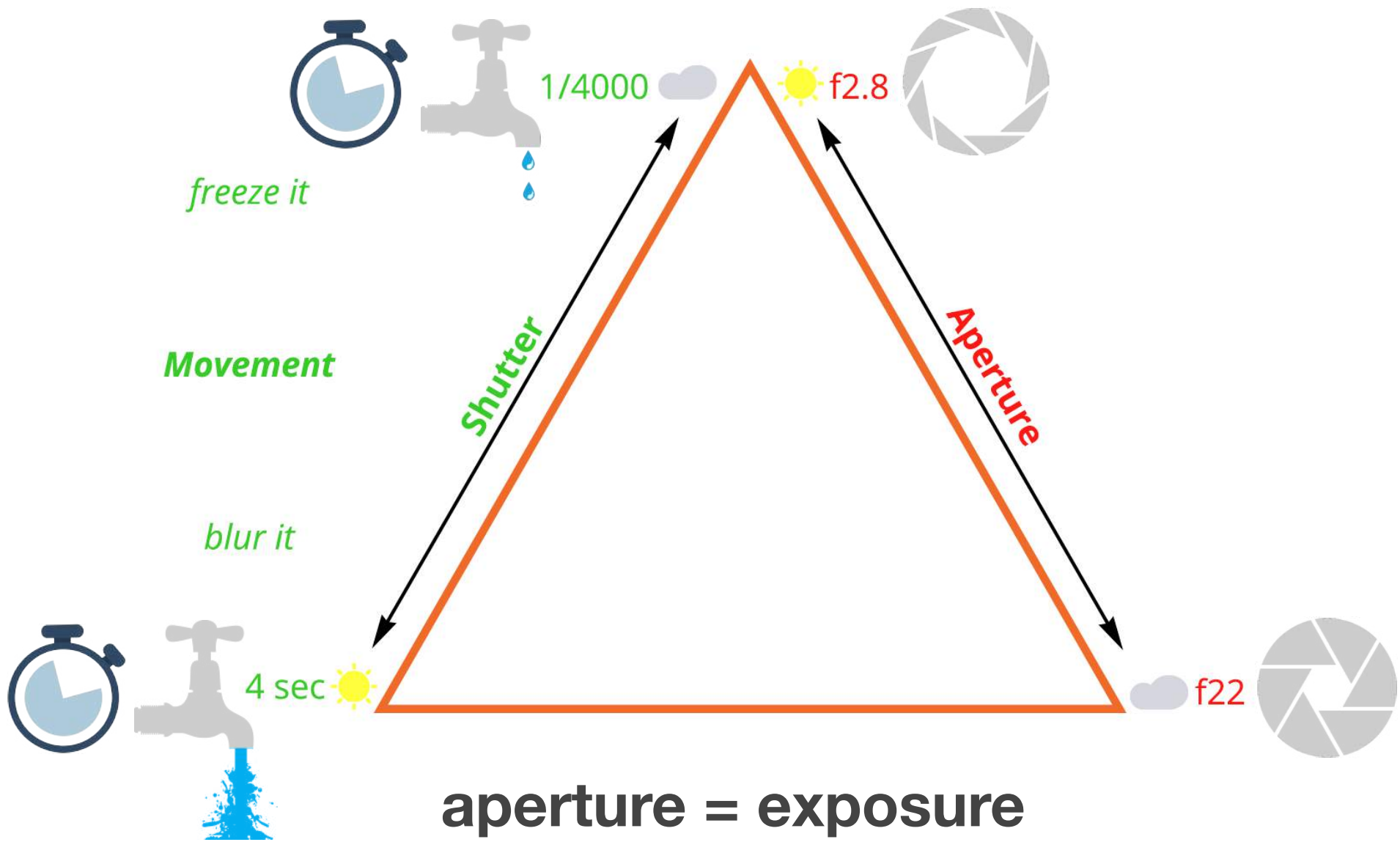
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Modified	11 July 2019 at 17:36
Last opened	11 July 2019 at 17:34
Content created	25/09/2015
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Resolution	72×72
Colour space	RGB
Colour profile	sRGB IEC61966-2.1
Device make	FUJIFILM
Device model	X-T1
Lens model	XF18-55mmF2.8-4 R LM OIS
Aperture value	4.9709
Exposure time	4.3
Focal length	18 mm
ISO speed	200
Flash	No
F number	f/18
Metering mode	Average
White balance	0
Content Creator	Adobe Photoshop CC 2018 (Macintosh)

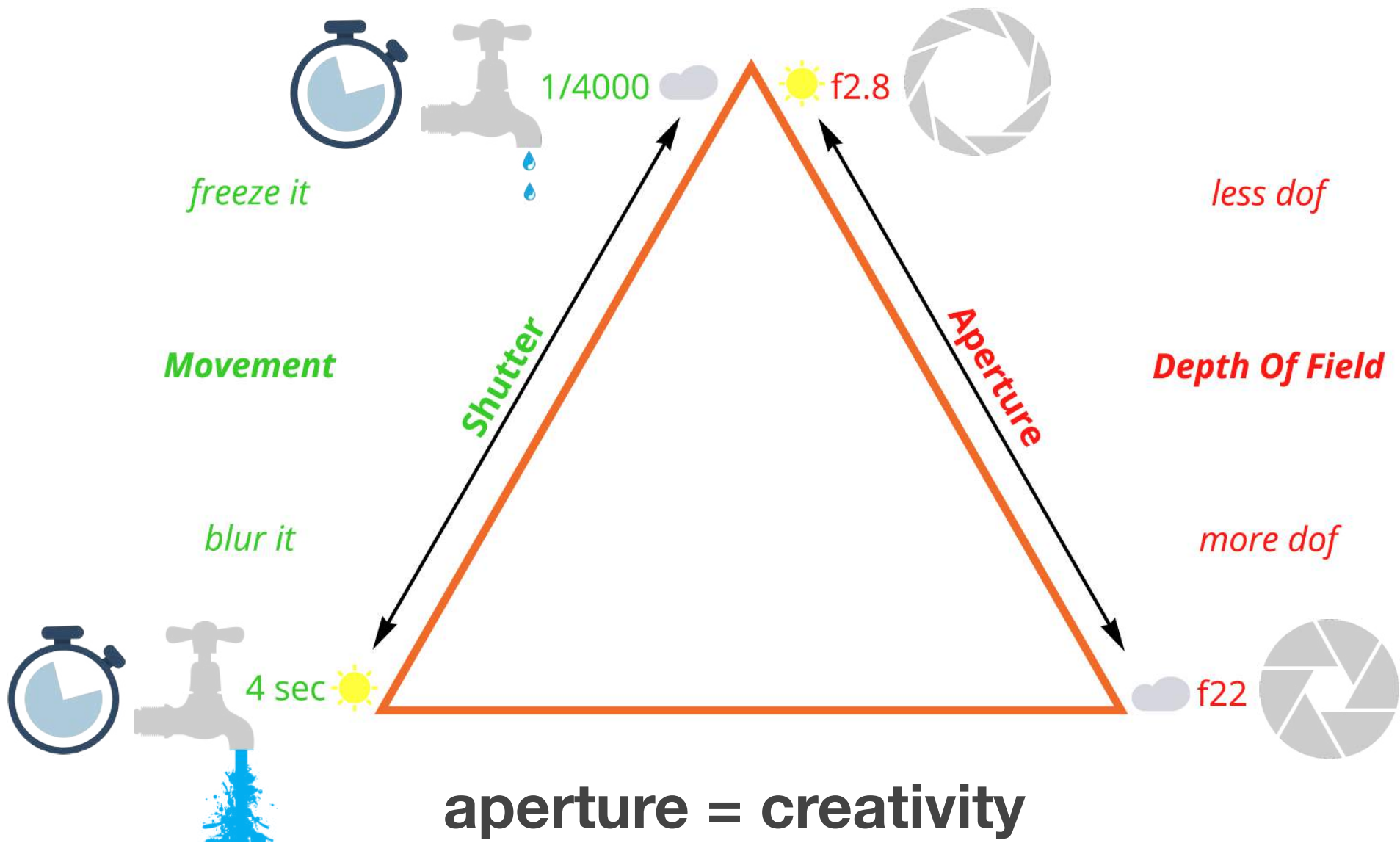
Tags

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1341 Bex Moira 121-39-2.jpg

JPEG image - 1.1 MB

Information [Show Less](#)

Created	17 June 2016 at 15:19
Modified	17 June 2016 at 15:19
Content created	04/06/2016
Dimensions	1333×2000
Resolution	72×72
Colour space	RGB
Colour profile	sRGB IEC61966-2.1
Device make	FUJIFILM
Device model	X-T1
Lens model	XF10-24mmF4 R OIS
Aperture value	8
Exposure time	1/280
Focal length	10 mm
ISO speed	200
Flash	No
F number	f/16
Metering mode	Average
White balance	0
Content Creator	Adobe Photoshop Lightroom 6.4 (Macintosh)



Tags

[Add Tags...](#)



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1385 Vietnam
2018-161.jpg

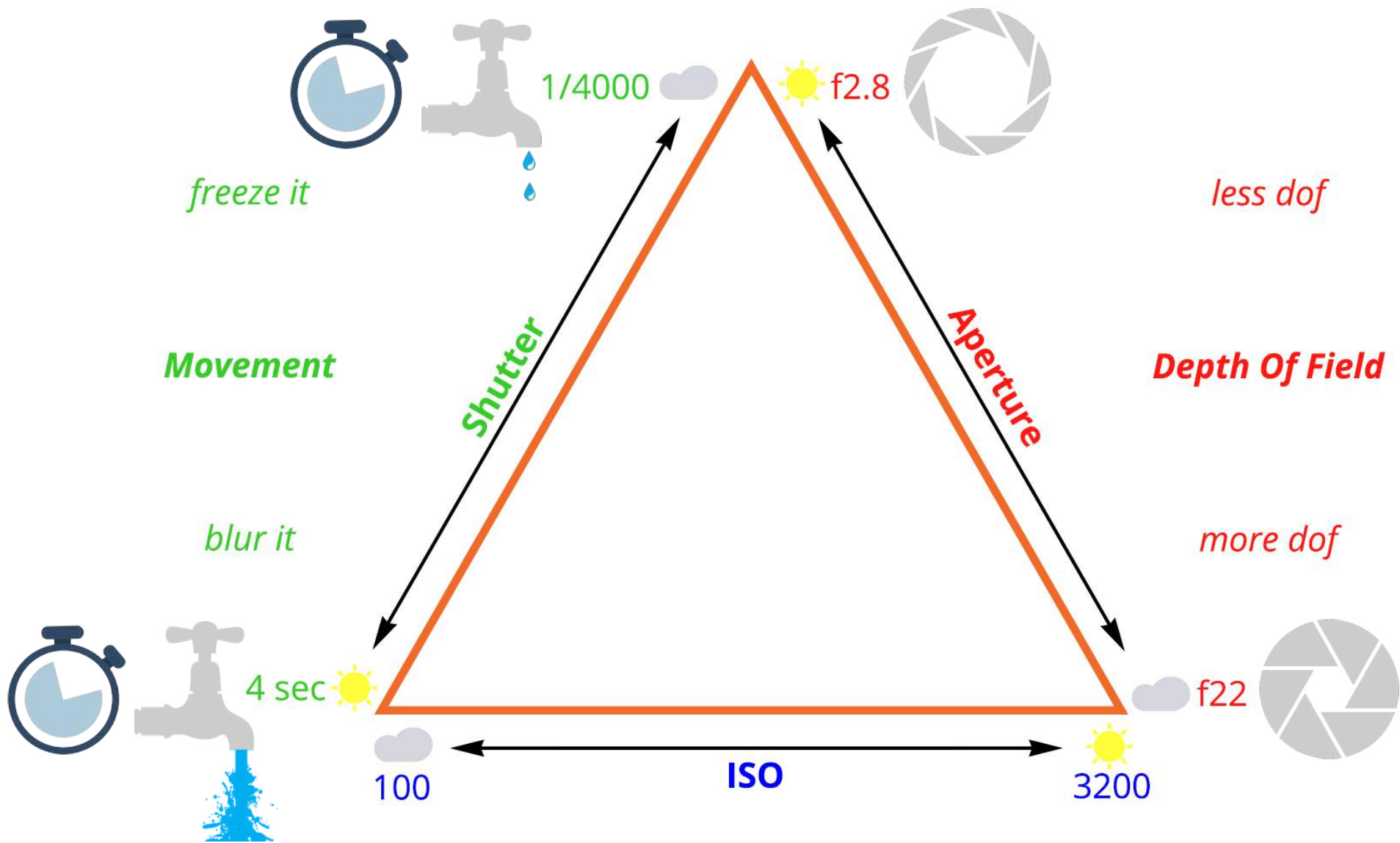
JPEG image - 405 KB

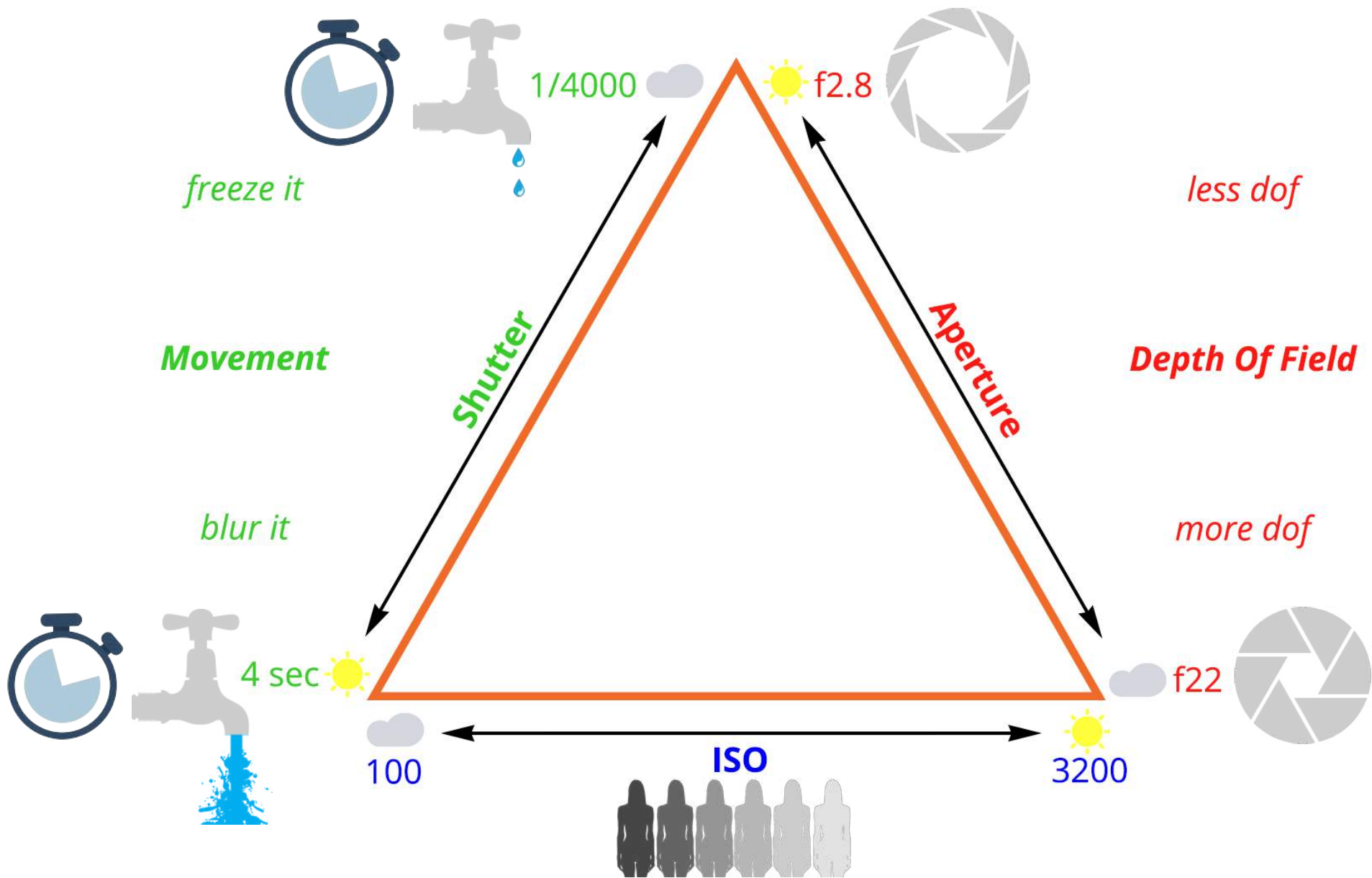
Information [Show Less](#)

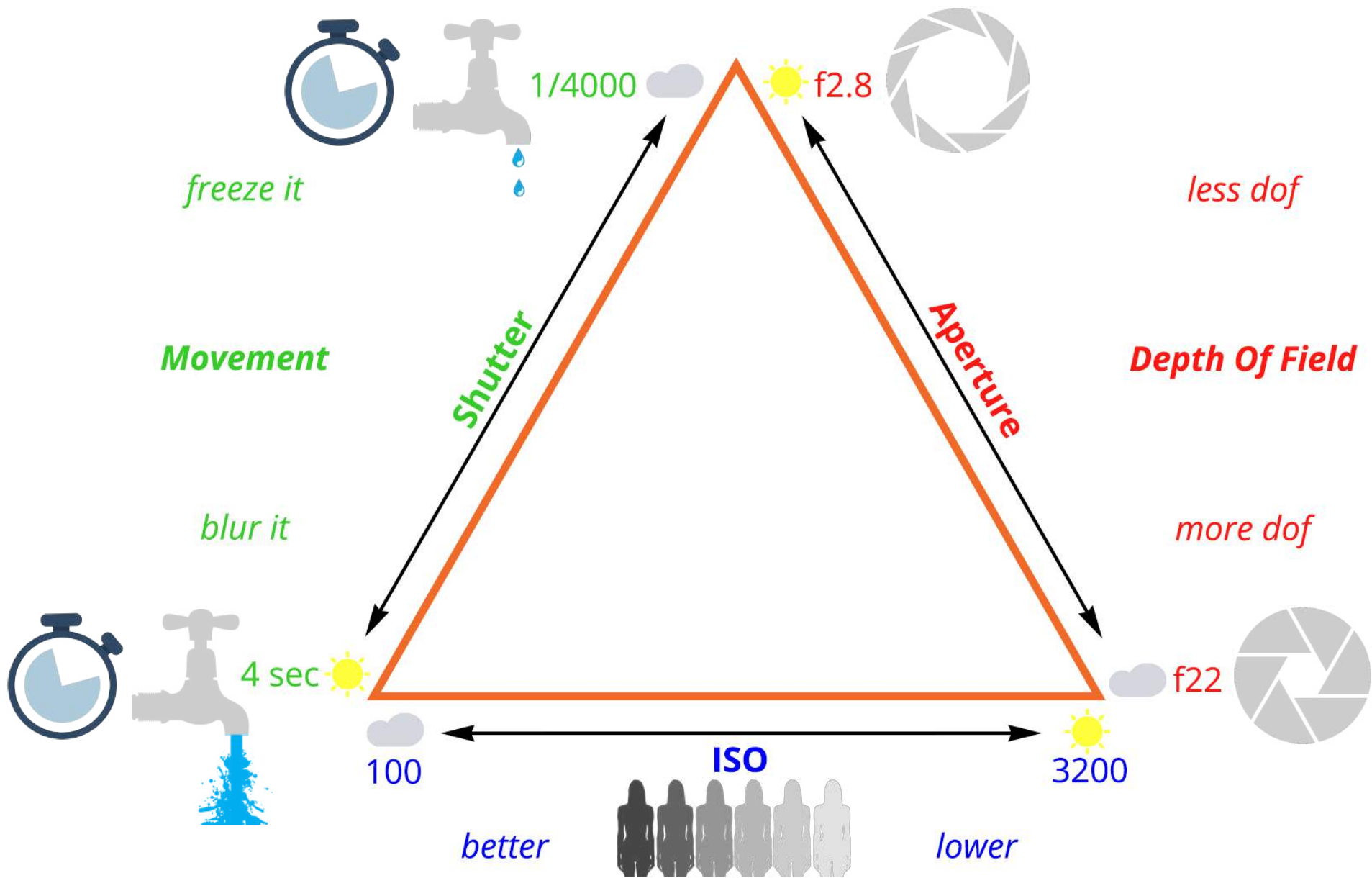
Created	15 Feb 2019 at 14:49
Modified	15 Feb 2019 at 14:49
Content created	08/10/2018
Dimensions	2000 x 1333
Resolution	72 x 72
Colour space	RGB
Colour profile	sRGB IEC61966-2.1
Device make	FUJIFILM
Device model	X-T2
Lens model	XF18-55mmF2.8-4 R LM OIS
Aperture value	4
Exposure time	1/240
Focal length	55 mm
ISO speed	200
Flash	No
F number	f/4
Metering mode	Average
White balance	0
Content Creator	Adobe Photoshop Lightroom Classic 8.1 (Macintosh)

Tags

Add Tags...









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⚡ + MF

S

F3.6

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 1000



MF

250 F8

-3...2...1...0...1...2...3+

150 200

shutter speed



250

F8

-3...2...1...0...1...2...3+

ISO 200

shutter speed



aperture



⚡ + MF

250

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200

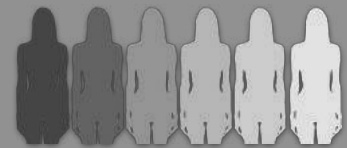
shutter speed



aperture



ISO



250

F8

-3...2...1...0...1...2...3+

ISO 200

shutter speed



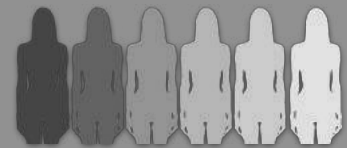
aperture



light meter



ISO



250

F8

-3...2...1...0...1...2...3+

ISO 200

shutter speed



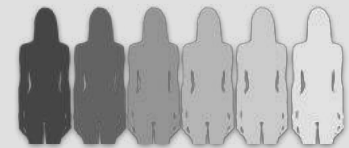
aperture



light meter



ISO



250

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3 +

ISO 200

shutter speed



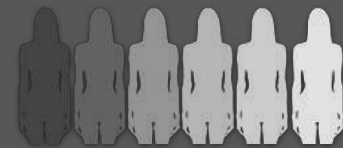
aperture



light meter



ISO



250

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200

shutter speed



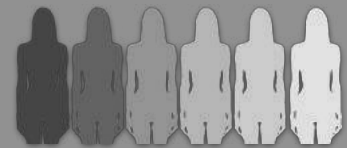
aperture



light meter



ISO



250

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200

2 = 1/2 second



⏪ + MF

2

F8

-3...2...1...0...1...2...3+

150 200

2" = 2 full seconds



⏪ + MF

2"

F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150 200



⚡ + MF

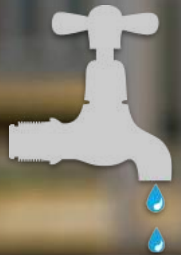
760 F4

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3 +

ISO 200



Shutter Speed

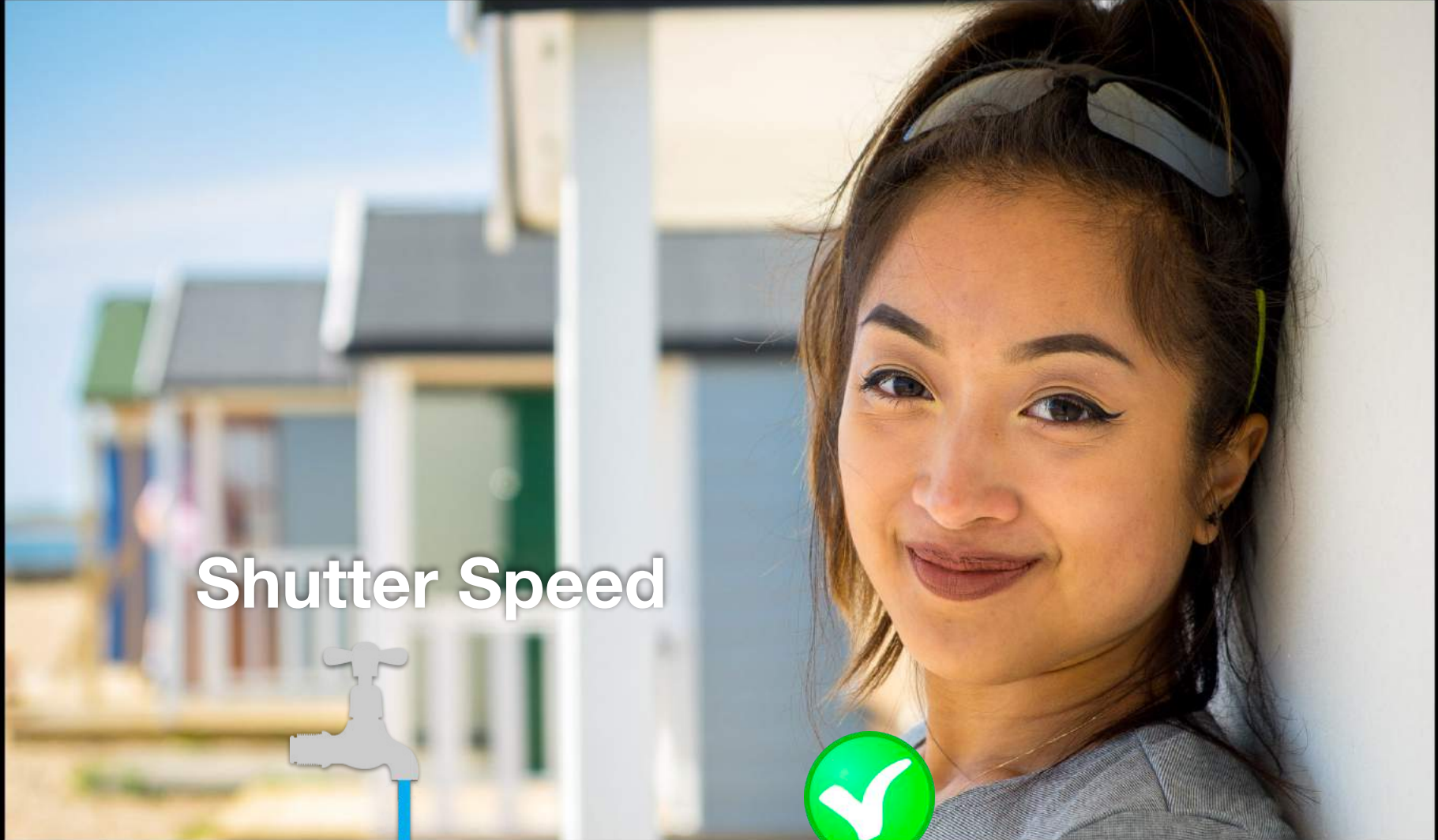


⚡ + MF

760 F4

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3 +

ISO 200



Shutter Speed



⚡ + MF

350

F4

-3...2...1...0...1...2...3+

ISO 200



Shutter Speed



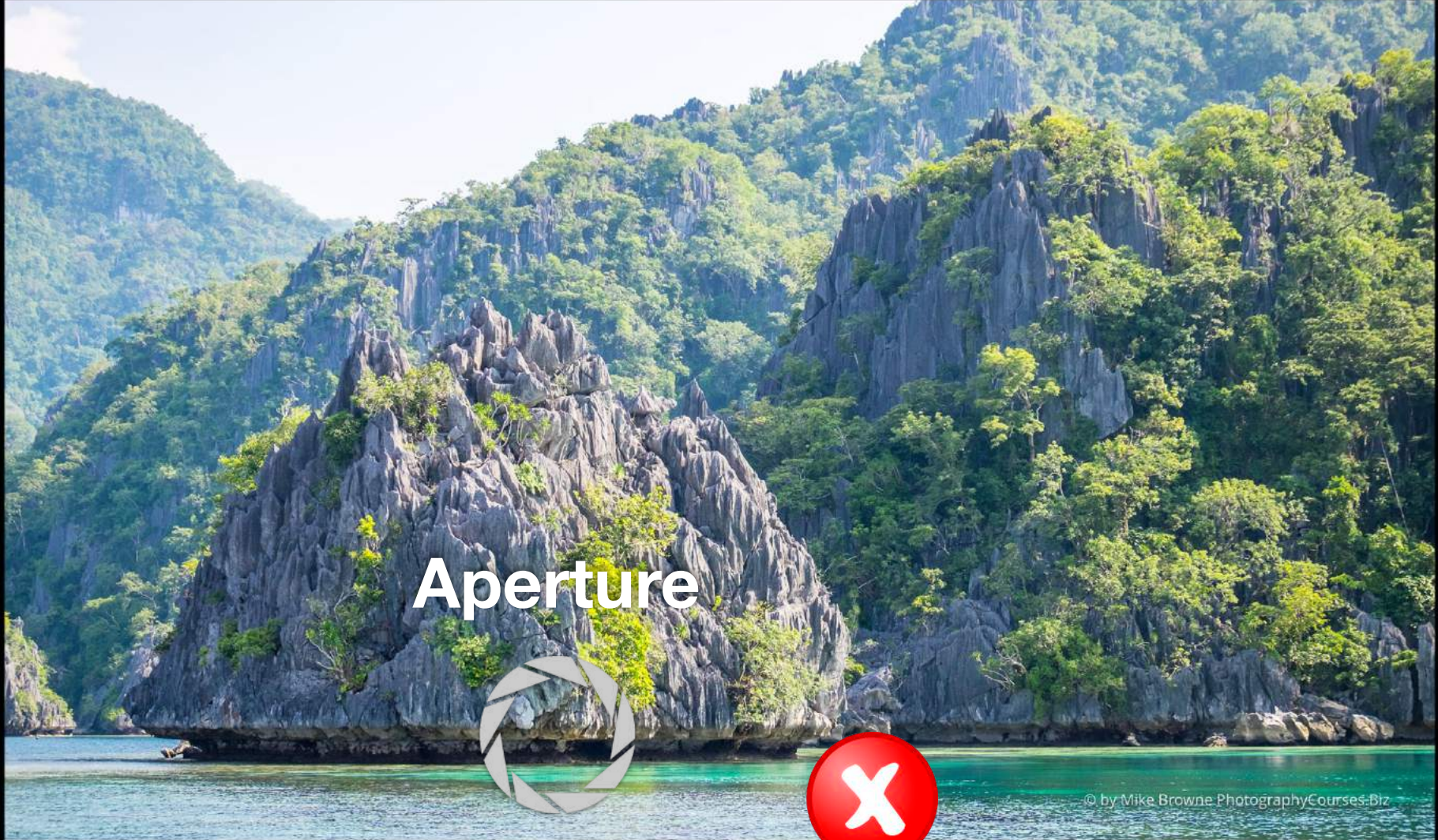
⚡ + MF

80

F4

-3...2...1...0...1...2...3+

ISO 200



Aperture



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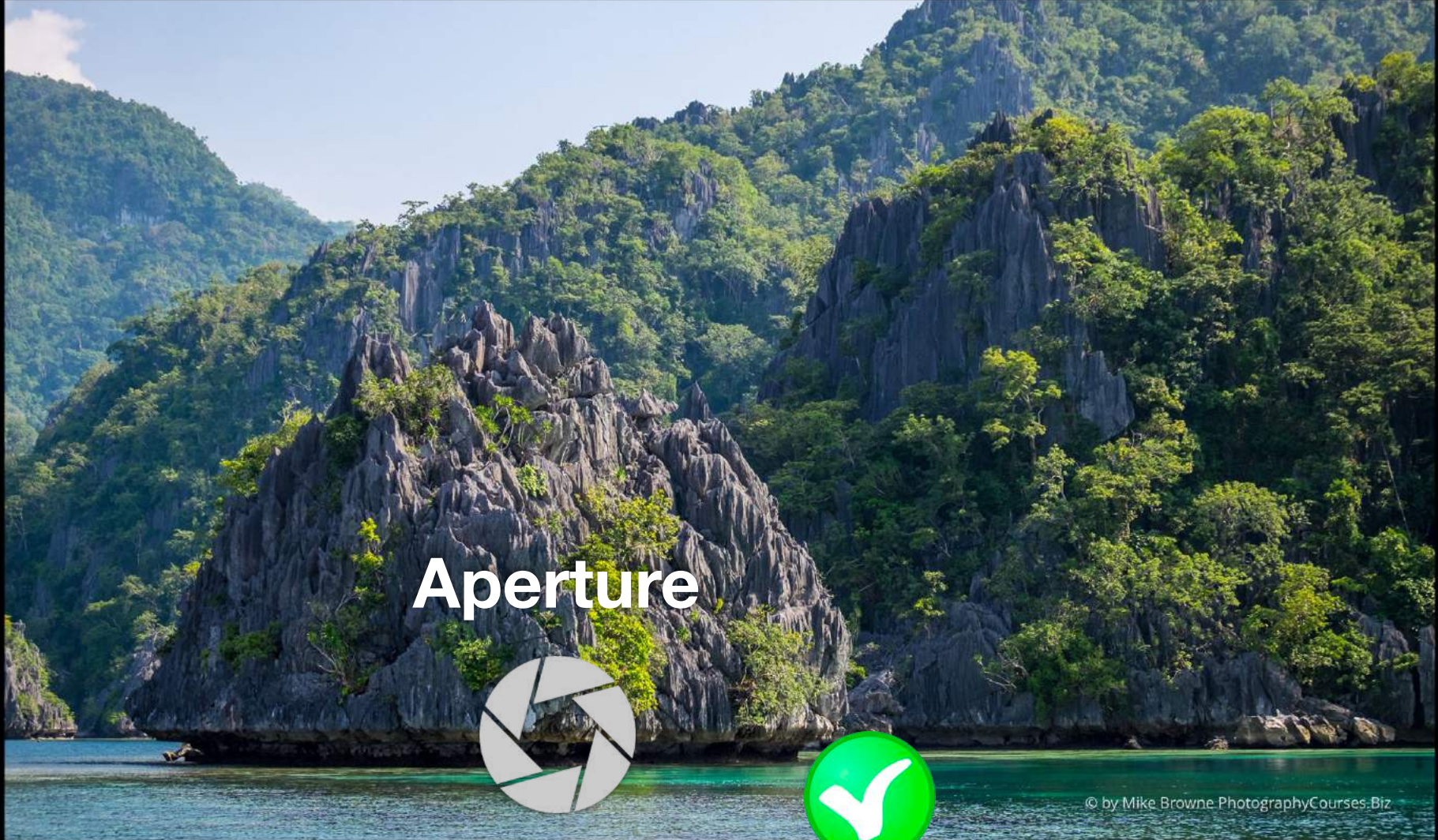
⚡ + MF

250

F5.6

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150 200



Aperture



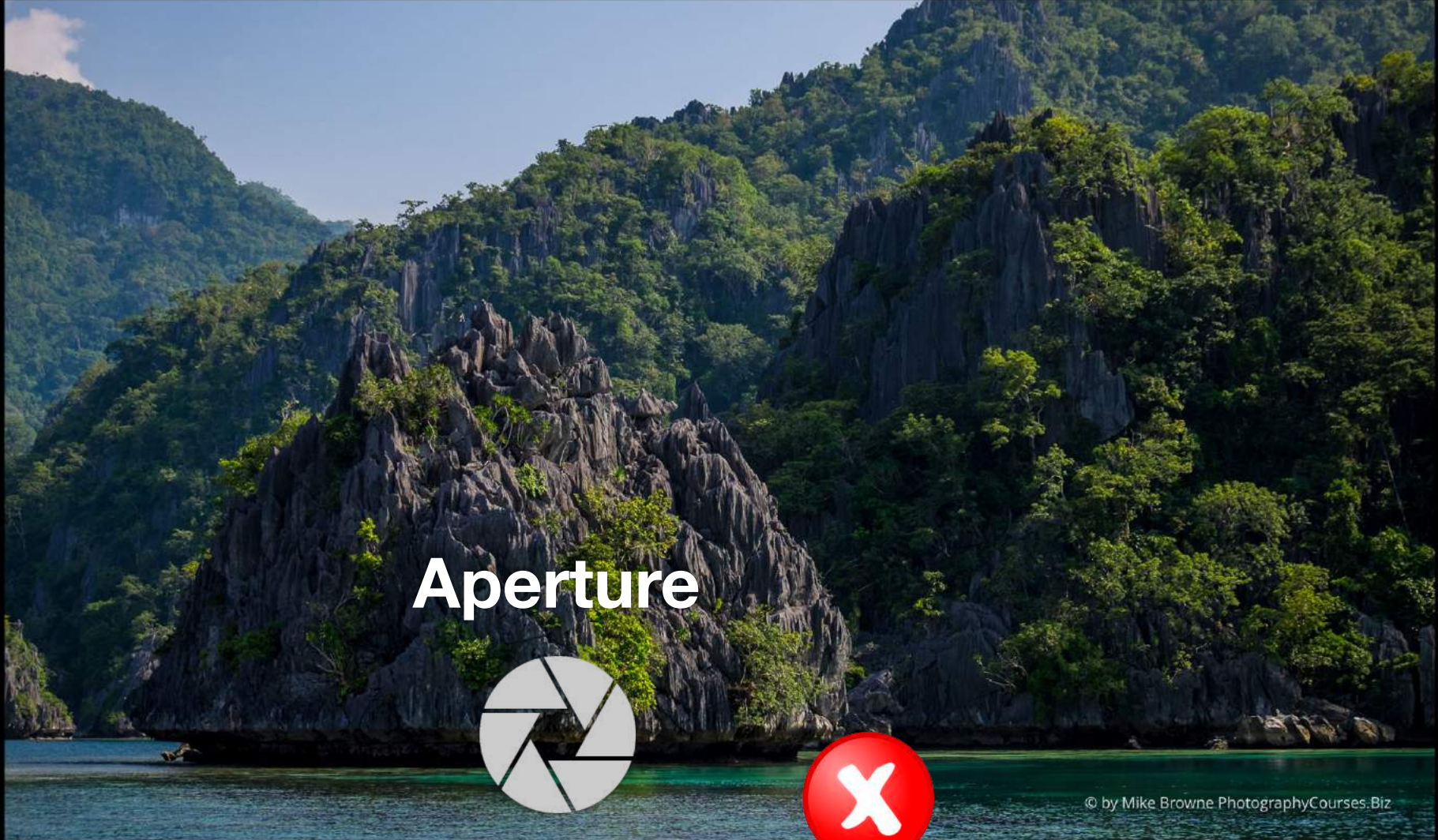
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⚡ + MF

250 F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150 200



Aperture



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⚡ + MF

250

F11

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150 200



ISO



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MF

50

F4

-3...2...1...0...1...2...3+

ISO 400



ISO



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⚡ + MF

50

F4

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 800



ISO



MF

50

F4

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 1600

but - which combination is right?



but - which combination is right?

If not working with movement or D.O.F.
use any combination
that gives you the right exposure





⚡ + MF

800

F5.6

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150

200



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📷 + MF

400 F8

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150 200



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MF

200

F11

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150 200

Practise Shooting Manual

shutter

aperture

ISO

get confident using these first
then start being creative
with movement and depth of field...



creative shutter = movement

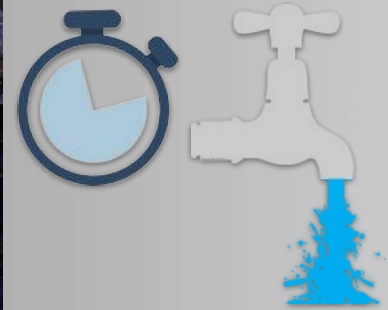
Faster Freezes

(1/220th sec)



Slower Blurs

(4.3" seconds)





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⏪ + MF

4

F16

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200



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⚡ + MF

4

F16

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200



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⚡ + MF

4

F16

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200



⚡ + MF

4

F16

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200



⚡ + MF

450 F4.5 -3...2...1...0...1...2...3+

150 640



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MF 450 F4.5 -3...2...1...0...1...2...3+ 150 640



MF

450

F4.5

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150 640

creative aperture = depth of field



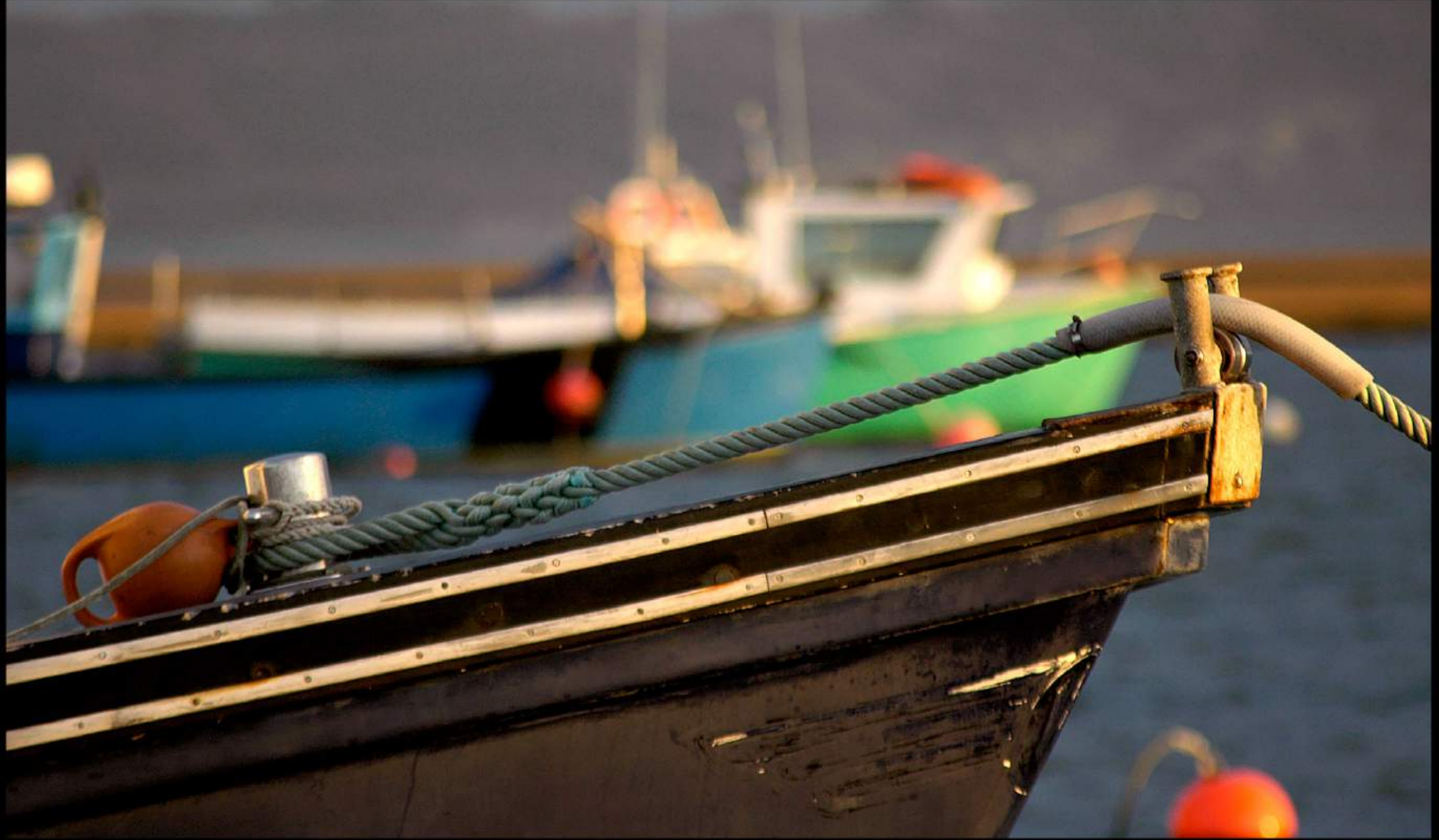
Big Apertures = Shallow DOF

(@ f4...)



Small Apertures = Deep DOF

(@ f16...)



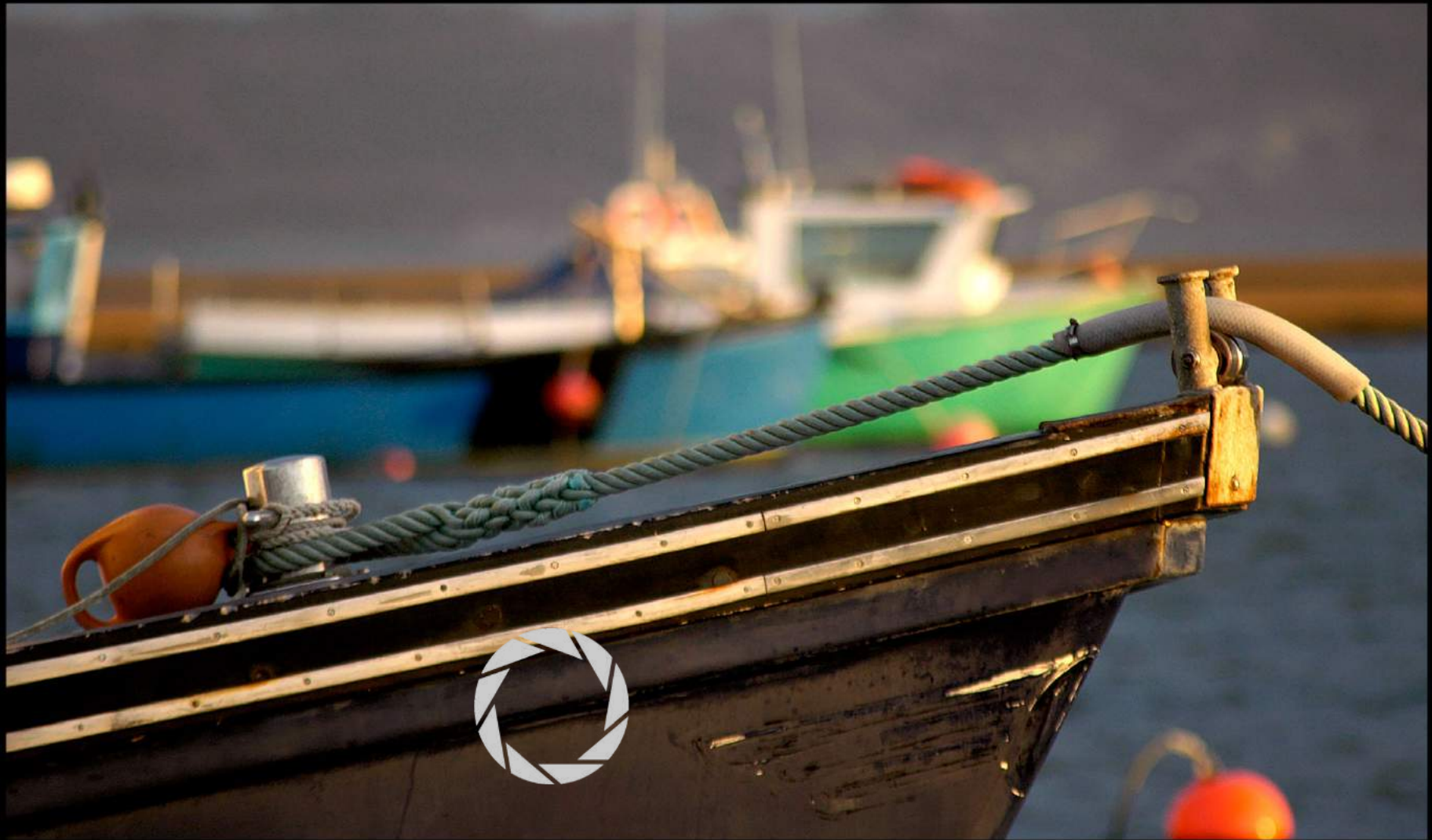
⚡ + MF

250

F5.6

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200



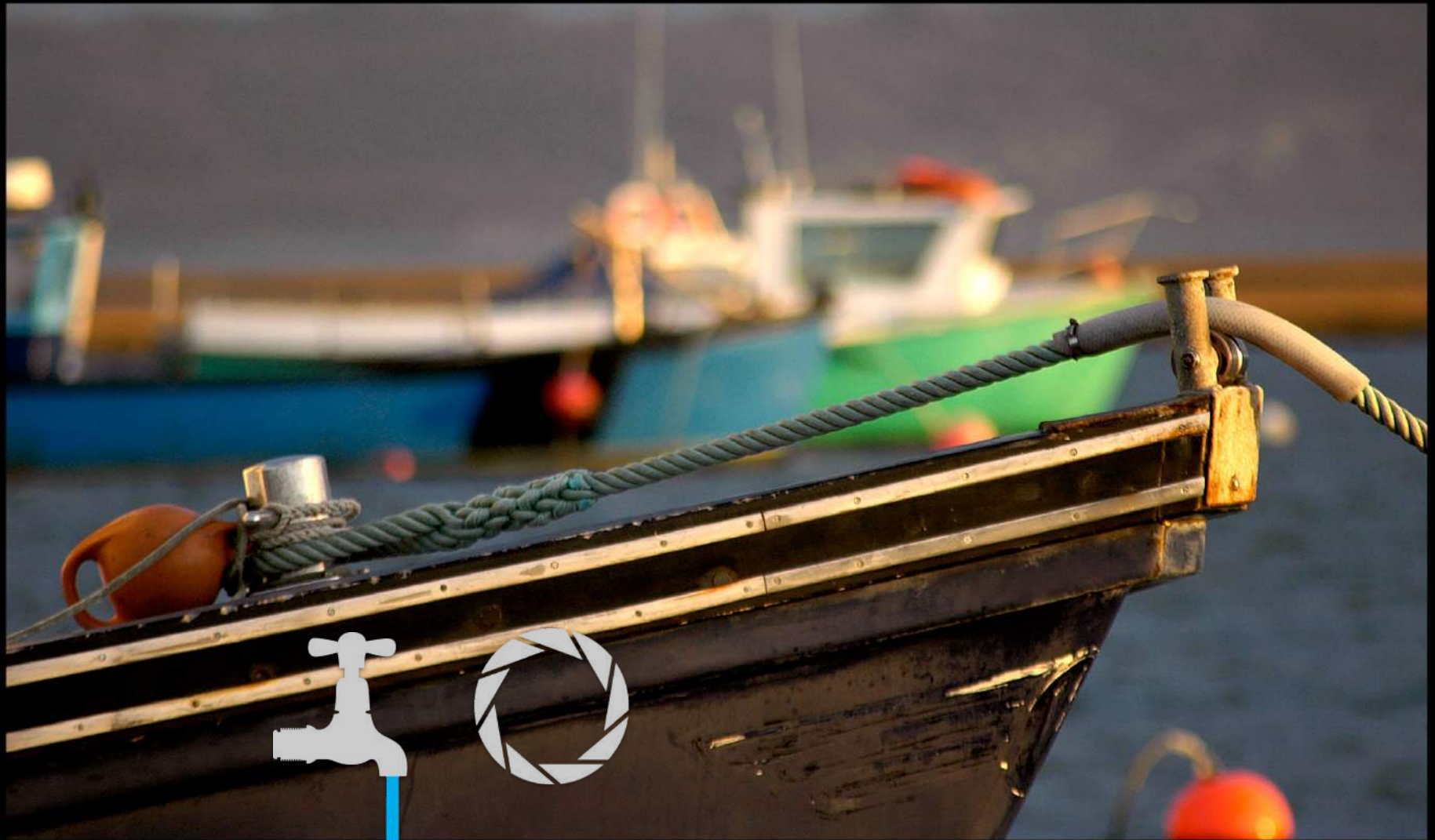
⚡ + MF

250

F5.6

-3...2...1...0...1...2...3+

ISO 200



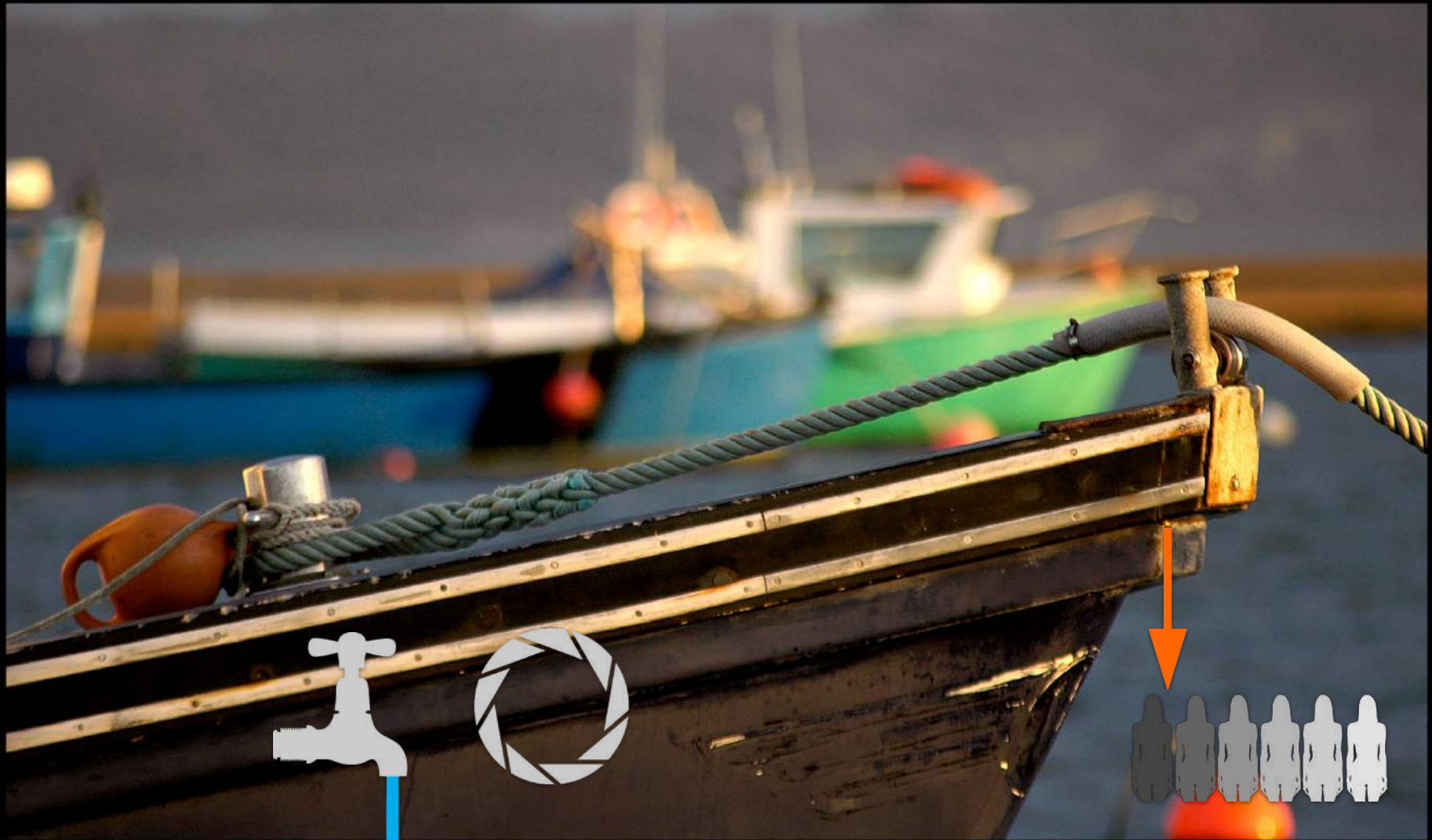
MF

250

F5.6

-3...2...1...0...1...2...3+

ISO 2000



MF

250

F5.6

-3...2...1...0...1...2...3+

ISO 200



⏪ + MF

125

F4

-3...2...1...0...1...2...3+

ISO 200



⚡ + MF

125

F4

-3...2...1...0...1...2...3+

ISO 200



⚡ + MF

125

F4

-3...2...1...0...1...2...3+

ISO 200



MF

125

F4

-3...2...1...0...1...2...3+

ISO 200



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⏪ + MF

6

F16

-3...2...1...0...1...2...3+

ISO 200



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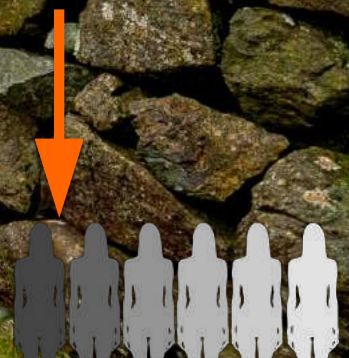
⚡ + MF

6

F16

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200



© Mike Browne PhotographyCourses.Biz

MF

6

F16

-3...2...1...0...1...2...3+

ISO 200



© Mike Browne PhotographyCourses.Biz

MF

6

F16

-3...2...1...0...1...2...3+

ISO 200



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⚡ + MF

6

F16

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200

freezing movement with a large D.O.F.



fast shutter + small aperture - won't it be under-exposed?



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MF 500 F11 -3...2...1...0...1...2...3+ 150 800



© Mike Browne PhotographyCourses.Biz

MF 500 F11 -3...2...1...0...1...2...3+ 150 800



⚡ + MF

500

F11

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 800



MF

500

F11

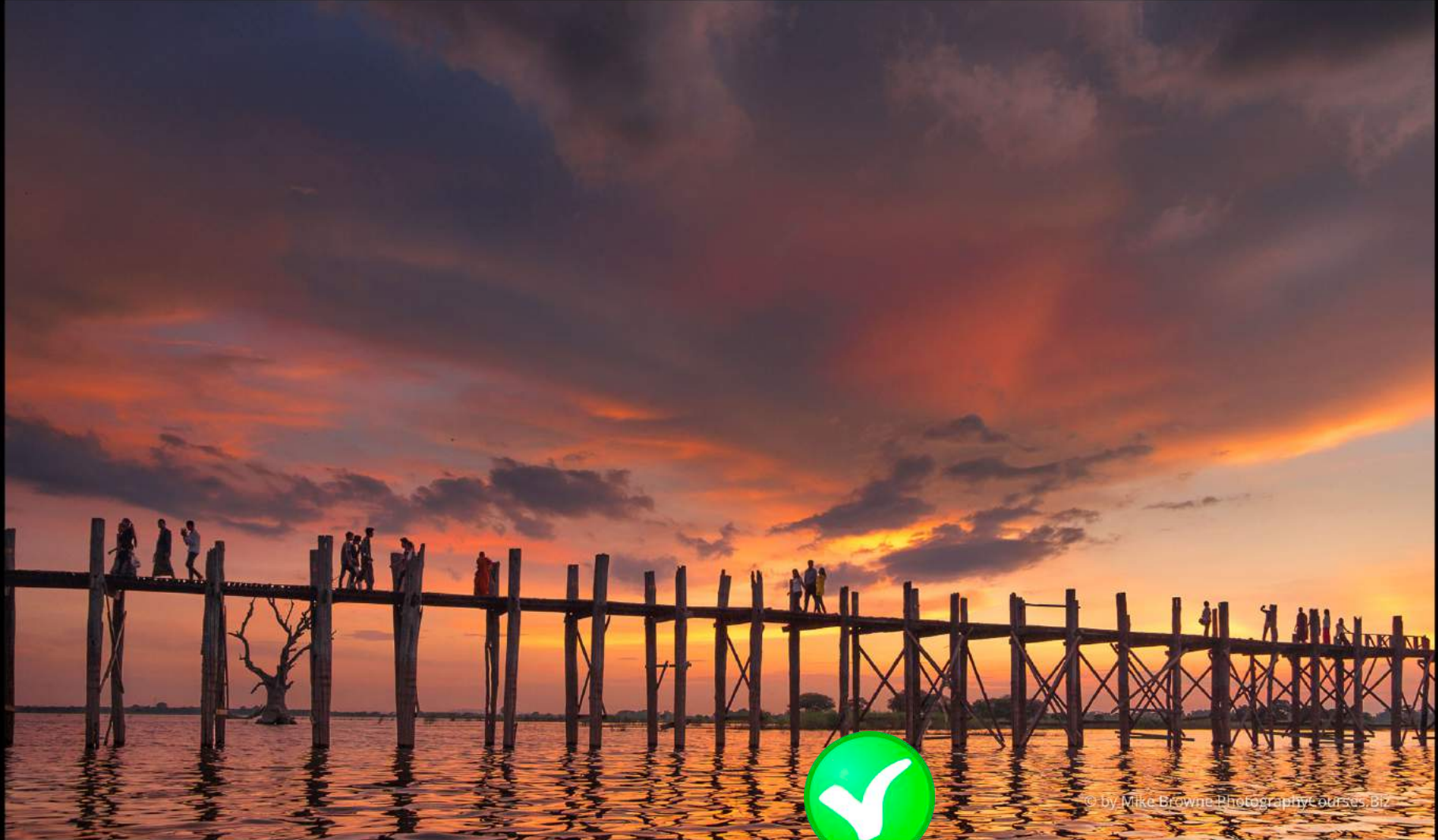
-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 800

Which Settings?



it depends...



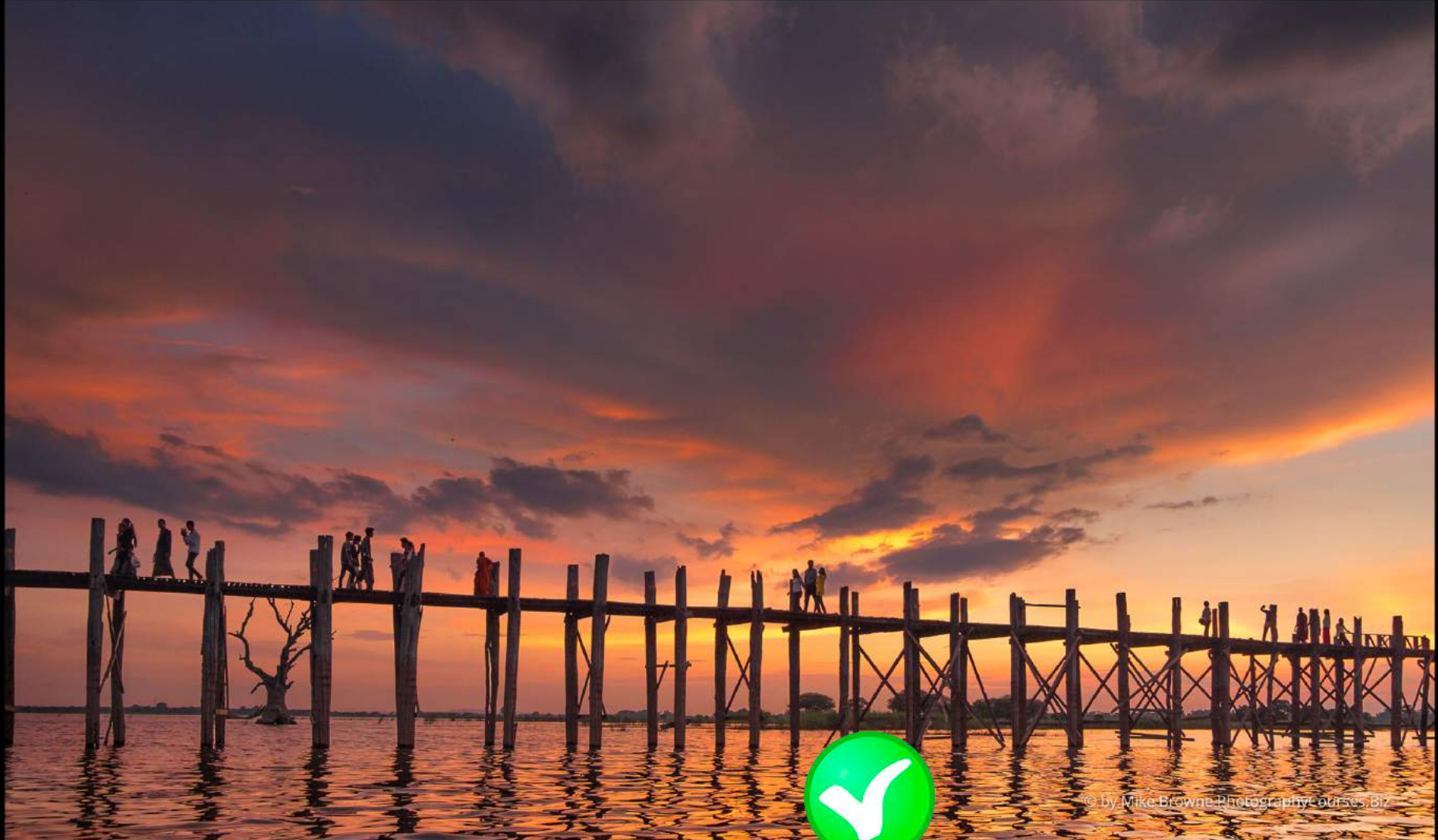
⏪ + MF

60

F5.6

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150 100



⚡ + MF

250

F5.6

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 400

Sometimes the light meter is wrong!



have you had a bright scene come out dark?



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⚡ + MF

2000 F4

-3...2...1...0...1...2...3+

150 200



⏪ + MF

2000 F4

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150 200



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⚡ + MF

2000 F4

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

ISO 200



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⏪ + MF

500

F4

-3 ··· 2 ··· 1 ··· 0 ··· 1 ··· 2 ··· 3+

150 200

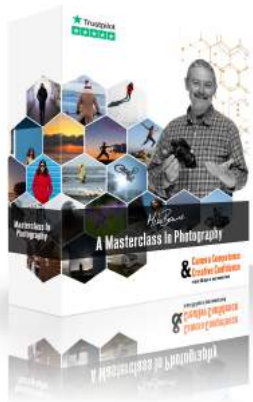
What To Do Now

1. Practise making manual exposures (don't play with D.O.F / movement yet)
2. Experiment with different combinations of settings to get the same exposure
3. Practise using shutters & apertures for movement, sharp & blurry backgrounds

I Recommend:

- You complete the Masterclass in Photography
- Focal Length Explained Webinar
- Remember light meters think everything's grey and sometimes get it wrong



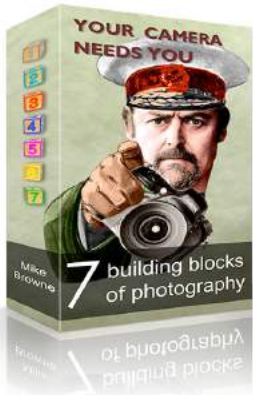


Photography is not as complicated as some make it out to be. The multitude of features in your camera make it needlessly complex. Most of it is put there by marketing people to convince you to buy an upgrade you don't actually need.

The good news is - there are only 5 controls to master + light and composition.

Photography's a bit of knowledge and a lot of practise - which is great because you love taking photos, right? Allow me to teach you that knowledge, in the correct sequence so it makes sense. Let me show you how to 'see' photos, make engaging compositions and exploit light so your photos truly pop.

I'll give you exercises too so you get hands on experience which is what makes photography effortless and easy.



The 7 Building Blocks Of Photography teaches you how to evolve ideas and pre visualise what you want your image to look like. How to work backwards from that pre-visualisation and assemble everything in Masterclass in Photography, in the correct sequence, to make that pre visualisation a reality.

When you complete the 7BBP you'll be thinking like a photographer, instead of merely someone with a camera and you will be able to tackle any situation, genre or subject with confidence.

Exclusive Cameras Don't Take Pictures seminar video from the 2019 Photography Show in Birmingham - only available in this webinar offer

