

Asian Try Zero-G 2025



Attachment-1: Video List

2011 Astronaut Furukawa

Experiment Title	URL	Tool (Attachment)
The Experiment of a Yo-yo in Space	https://jda.jaxa.jp/result.php?lang=e&id=3ecb00d63fc79af9dbfc7672d9b472a3	-
Conservation of Weight	https://jda.jaxa.jp/result.php?lang=e&id=4520cd463ae5e3a03a4eed49f4a1e6eb	Attachment-2, No.5, 8
Soap Bubbles Floating in space	https://jda.jaxa.jp/result.php?lang=e&id=616aab49fb7d20774ba6c09816e3b935	-
Compass	https://jda.jaxa.jp/result.php?lang=e&id=027c98b5d98c0cc438d0cc2463e8a41e	Attachment-2, No.3

2012 Astronaut Hoshide

Experiment Title	URL	Tool (Attachment)
Weight Station	https://www.youtube.com/watch?v=xMJq4v5VQzY 0:00-1:34	Attachment-2, No.6
Effect of gravity on capillary action	https://www.youtube.com/watch?v=xMJq4v5VQzY 1:34-3:13	-
Verification of Inertia	https://www.youtube.com/watch?v=xMJq4v5VQzY 3:13-5:10	Attachment-2, No.1
Liquid Stuck in Straw	https://www.youtube.com/watch?v=xMJq4v5VQzY 5:10-7:00	-
Juggling in Space	https://www.youtube.com/watch?v=xMJq4v5VQzY 7:00-7:48	Attachment-2, No.1
Weight suspended from bar	https://www.youtube.com/watch?v=xMJq4v5VQzY 7:48-8:56	-

2014 Astronaut Wakata

Experiment Title	URL	Tool (Attachment)
Capillarity under zero-gravity	https://jda.jaxa.jp/result.php?lang=e&id=960efc6afd7703ef51eccb827a22363c# 0:00-2:23	Attachment-2, No.7
Growing bubbles in a glass of water	https://jda.jaxa.jp/result.php?lang=e&id=960efc6afd7703ef51eccb827a22363c#	-

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	2:23-3:46	
Bernoulli's principle	https://jda.jaxa.jp/result.php?lang=e&id=960efc6afd7703ef51eccb827a22363c# 3:46-7:43	-
Mass and weight comparison center of mass	https://jda.jaxa.jp/result.php?lang=e&id=960efc6afd7703ef51eccb827a22363c# 7:43-12:29	Attachment-2, No.1, 7

2015 Astronaut Yui

Experiment Title	URL	Tool (Attachment)
Spinning a ball on its own axis with one finger	https://jda.jaxa.jp/result.php?lang=e&id=496e0f3e0d734207c7eb6ef91b9a9f64	Attachment-2, No.9
Can we make wind in space?	https://jda.jaxa.jp/result.php?lang=e&id=8f7a4d0c0c981f44ab4a0f45e9098247#	Attachment-2, No.1
The incredible hoop glider!	https://jda.jaxa.jp/result.php?lang=e&id=4dae01ecf2c6ad956c957a7b2700fd6b#	-
Paper ball inside a water ball	https://jda.jaxa.jp/result.php?lang=e&id=844daf0c10ac4137182fdc12343f63e7#	-
Zero-G painting	https://jda.jaxa.jp/result.php?lang=e&id=b618fdd6cd41c87509c50c361802a2f8#	Attachment-2, No.7
Sizable substance set on somersaulting stretched slinky	https://jda.jaxa.jp/result.php?lang=e&id=342aefe980eba18144f65547b86ef977#	Attachment-2, No.2, 4

2016 Astronaut Onishi

Experiment Title	URL	Tool (Attachment)
The Flying Paper Plane	https://jda.jaxa.jp/result.php?lang=e&id=edc947cfea9aab115037268b47df5434	-
Magnus Effect	https://jda.jaxa.jp/result.php?lang=e&id=6d4d7d5229159d6362647b4d752680d6#	Attachment-2, No.2, 13
Blocks in Jar	https://jda.jaxa.jp/result.php?lang=e&id=7d47a857bf08b2fd7bd07b6828b0bcd8#	Attachment-2, No.2
Capillary in Zero Gravity	https://jda.jaxa.jp/result.php?lang=e&id=1032d0dbf7abf05831e4fb0338962186#	Attachment-2, No.14
Liquid Density Action	https://jda.jaxa.jp/result.php?lang=e&id=da6d7e02188aca85c7f547a0801dad4e#	Attachment-2, No.14

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2018 Astronaut Kanai

Experiment Title	URL	Tool (Attachment)
Paper Boomerang	https://jda.jaxa.jp/result.php?lang=e&id=a67cadd4bc39ab23f0df9ee3ba6ba2d#	-
Aircraft Stability	https://jda.jaxa.jp/result.php?lang=e&id=308a7dc67e07acf5ba820a2224c36ab5#	-
Spinning Ring	https://jda.jaxa.jp/result.php?lang=e&id=bdc5b4dfdfc55b5a9c9aa6f103f51d20#	Attachment-2, No.7
Gyroscope & Tippe Top	https://jda.jaxa.jp/result.php?lang=e&id=abd471ef90d070a886bad210e2f1d122#	Attachment-2, No.11, 12
Wire Top	https://jda.jaxa.jp/result.php?lang=e&id=b0e4b19524fcca8e1a9cb787fe27644a#	Attachment-2, No.20
Balls inside Slinky	https://jda.jaxa.jp/result.php?lang=e&id=023d9bda5849212fe34a39024621ec76#	Attachment-2, No.2, 4, 13
Paper Spring	https://jda.jaxa.jp/result.php?lang=e&id=989bb63650d20b748085b0cab9afc2cc#	Attachment-2, No.1
Double-Layered Liquid Ball	https://jda.jaxa.jp/result.php?lang=e&id=58980b07704754cea5a63e23db4bf1bc#	-

2022 Astronaut Wakata

Experiment Title	URL	Tool (Attachment)
Rotation of 'Dumbbell-shaped' objects in Space	https://jda.jaxa.jp/result.php?lang=e&id=2ca9eff2f38e615cf24a7bcc9c03620c	Attachment-2, No.15
The Water Vortex in Zero Gravity Condition	https://jda.jaxa.jp/result.php?lang=e&id=2a6af73a4a57fe78e72eb0ce46aad532	-
Double Pendulum in space	https://jda.jaxa.jp/result.php?lang=e&id=02243e3ae16e33fad865eb1246212bc2	-
Self-assembly of granular gas and three-dimensional pattern formation in a microgravity environment	https://jda.jaxa.jp/result.php?lang=e&id=ca7f57030f70df5aa648b2b9265d5793	-
Study of the height of water which is risen up in microgravity	https://jda.jaxa.jp/result.php?lang=e&id=cf01555be386403aaddfd6a3d26bf99f	-
Water sphere disturbance in zero gravity	https://jda.jaxa.jp/result.php?lang=e&id=287232f0b0991fb1dd66308361e7cd33	-

2023 Astronaut Furukawa

Experiment Title	URL	Tool (Attachment)
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Twist Athlete Robot Experiment	https://jda.jaxa.jp/result.php?lang=e&id=b27788763ac22beba879023fd713c045	Attachment-2, No.21
Stranger things two ball on string	https://jda.jaxa.jp/result.php?lang=e&id=4195d183a19daad45e6be3af63e976e	Attachment-2, No.24
Lato-Lato motion trials in zero gravity Try a total elastic collision in space using the Lato-Lato game	https://jda.jaxa.jp/result.php?lang=e&id=98ad1efd0c6d6f6977466dc100f52b3f	Attachment-2, No.26, 27
Finding the shape of Magnetic Field Lines	https://jda.jaxa.jp/result.php?lang=e&id=c99f9f57f0f19a2af9eebd6e0da931d7	Attachment-2, No.28
Magnus Glider Looping Phase in Microgravity Behaviors of the magnus effect in zero-gravity	https://jda.jaxa.jp/result.php?lang=e&id=babbc55c217ed61a51c486d19dcd7085	Attachment-2, No.29, 30
Water Spheres and Electrostatic Force	https://jda.jaxa.jp/result.php?lang=e&id=2cd97b46830cdc0c3c278c56169a96ee	Attachment-2, No.32, 33
Oloid's Movement in Microgravity	https://jda.jaxa.jp/result.php?lang=e&id=e8ffb8ac29cd49568b02b33452ee2fe1	-
Acceleration of liquid surface in capillary action in microgravity	https://jda.jaxa.jp/result.php?lang=e&id=f9dc4b24a605cfe6b6f5c44c6795e412	Attachment-2, No.35
Zero-G Siphon	https://jda.jaxa.jp/result.php?lang=e&id=169bc577d8d4faf39cf4a229b1223bdb	Attachment-2, No.35, 36
Let us blow (exercise)	https://jda.jaxa.jp/result.php?lang=e&id=6d156d6c8b6625976efb4970a61ef42d	Attachment-2, No.37, 38
Flexibility exercises with rope (exercise)	https://jda.jaxa.jp/result.php?lang=e&id=bd1a756bcd3e0f9bac6fceb5b160b47	-
The Effectivity of Elastic Resistance Band Exercise When Performed in Zero-Gravity (exercise)	https://jda.jaxa.jp/result.php?lang=e&id=69dce16cbdc9b8aee6b1e3e7a22c3e92	-
Starfish exercise for Microgravity (exercise)	https://jda.jaxa.jp/result.php?lang=e&id=11079bfe25b8659cfc9677c008ceb2a2	-
Rubber gymnastics on air chair (exercise)	https://jda.jaxa.jp/result.php?lang=e&id=ae0173129ad521ccfcd8d982278f0d2d	-

Summary of Asian Try-Zero-G videos

- [2018 \(Astronaut Kanai\)](#)
- [2022 \(Astronaut Wakata\)](#)
- [2023 \(Astronaut Furukawa\)](#)

Other videos

Asian Try Zero-G 2025



- [2009 \(Astronaut Wakata\)](#)^{*1}
- 2010 (Astronaut Noguchi①, ②)^{*1}
- [2014 \(Astronaut Wakata\)](#)^{*1}
- 2016 (Astronaut Onishi①, ②, ③, ④, ⑤, ⑥)^{*2}

*1: Japanese audio with English subtitles

*2: Japanese audio only