

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# | - |

Asian Try Zero-G 2025



| | | |
|---|---|-----------------------|
| | 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 |

Asian Try Zero-G 2025



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=b0e4b19524fcc8e1a9cb787fe27644a# | 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) |
|------------------|-----|-------------------|
|------------------|-----|-------------------|

Asian Try Zero-G 2025



| | | |
|--|---|-------------------------|
| 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=4195d183a19daaad45e6be3af63e976e | 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=bd1a756bcd3e0f9bac6fcede5b160b47 | - |
| 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=ae0173129ad521ccfd8d982278f0d2d | - |

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 Noguchi [①](#), [②](#))^{*1}
- [2014 \(Astronaut Wakata\)](#)^{*1}
- 2016 (Astronaut Onishi [①](#), [②](#), [③](#), [④](#), [⑤](#), [⑥](#))^{*2}

*1: Japanese audio with English subtitles

*2: Japanese audio only