Draw a Stylized Black Hole: Event Horizon, Accretion Disk, and Layered Glow

Original task 1 / independent drawing and calculation

Task 1

On a blank frame, draw an event horizon circle with a hypothetical radius of 2.5 cm. Add a tilted ellipse with a long axis of 10 cm and a short axis of 5 cm. Show the front half overlapping the circle and the back half hidden. Add one glow outline.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

Draw a black hole with an event horizon circle of hypothetical radius 3 cm and an accretion disk ellipse tilted 30 degrees above horizontal. Add two inner ellipse guides with even spacing and two glow bands. Describe how you keep the layer order clear.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

Create a stylized black hole drawing using stippling for the glow bands instead of hatching. Use an event horizon circle and a tilted accretion disk. State your chosen tilt and one hypothetical measurement.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

Draw a black hole with three glow bands and an accretion disk. Then write a short self-check listing two mistakes you avoided and one valid alternative you used.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.