FLOW PAST AN ELLIPTIC CYLINDER

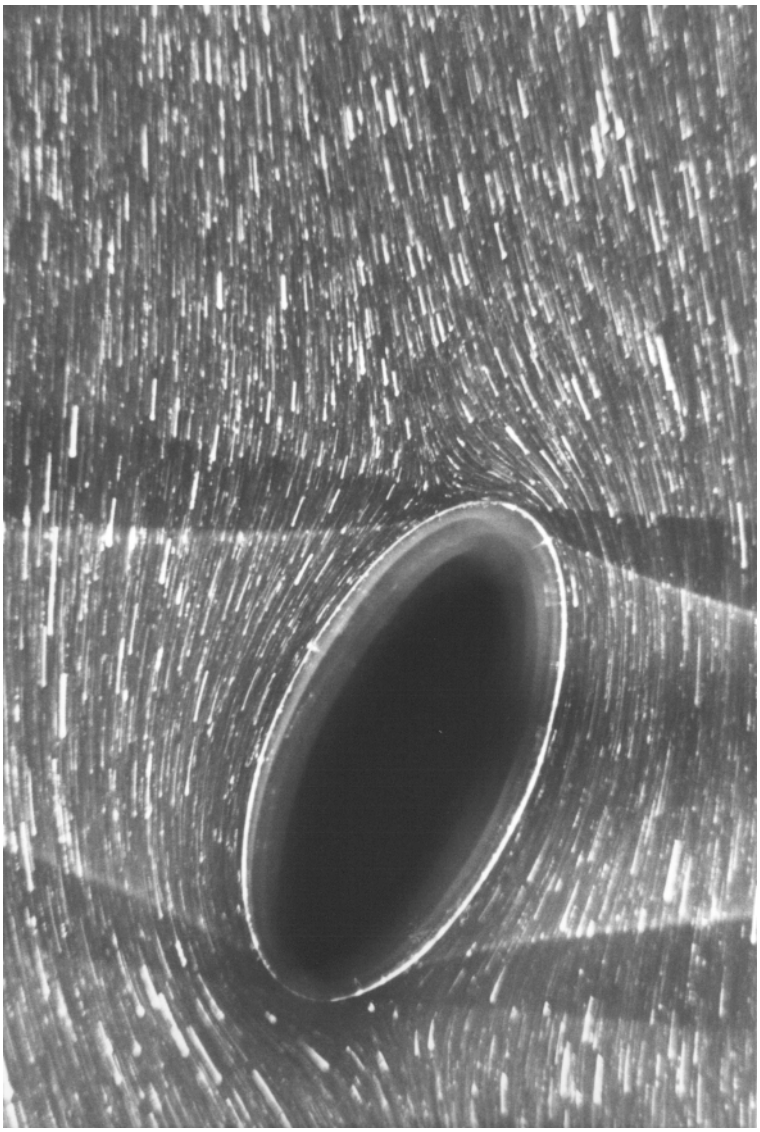

Image ID : ELLIP-01
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern arround elliptic cylinder with impulsive start (x/d=0.05)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the elliptical cylinder. 2:1elliptical cylinder.
The major radius d = 3cm. R = 135.
x is the distance of the cylinder from the starting point.

Author : S. Taneda
Published in :

Reproduced from: unpublished

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

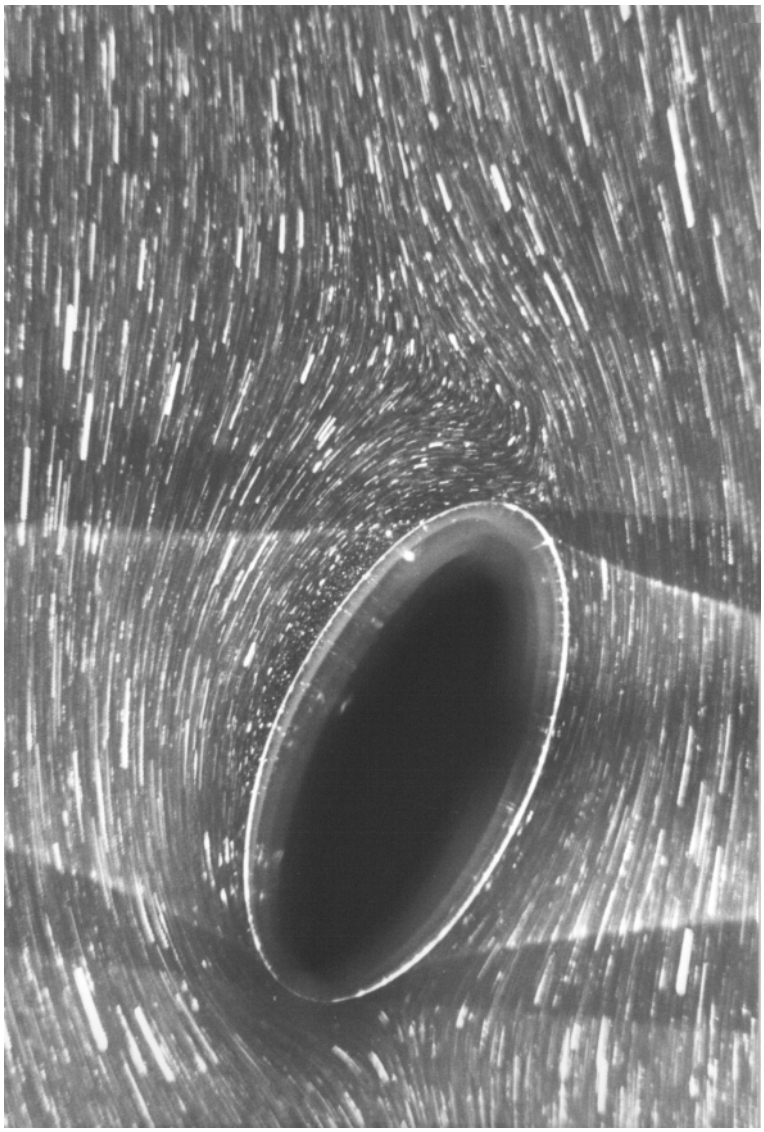

Image ID : ELLIP-02
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern arround elliptic cylinder with impulsive start (x/d=0.71)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the elliptical cylinder. 2:1elliptical cylinder.
The major radius d = 3cm. R = 135.
x is the distance of the cylinder from the starting point.

Author : S. Taneda
Published in :

Reproduced from: unpublished

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

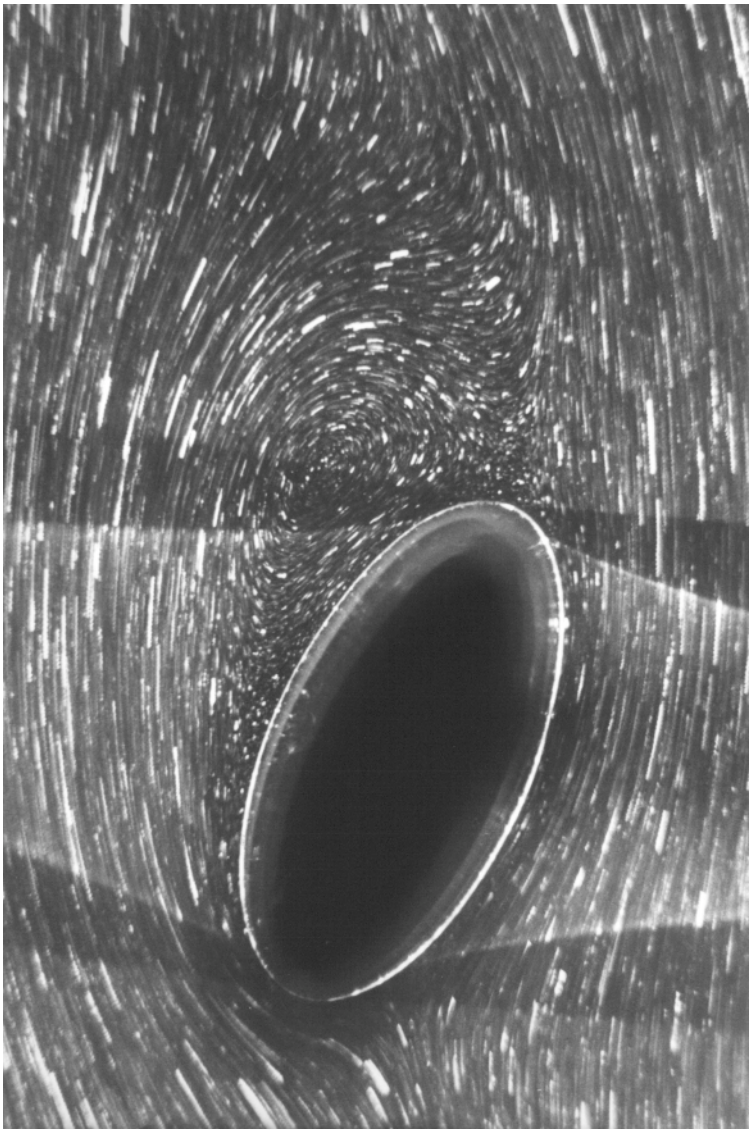

Image ID : ELLIP-03
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern arround elliptic cylinder with impulsive start (x/d=1.73)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the elliptical cylinder. 2:1elliptical cylinder.
The major radius d = 3cm. R = 135.
x is the distance of the cylinder from the starting point.

Author : S. Taneda
Published in :

Reproduced from: unpublished

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

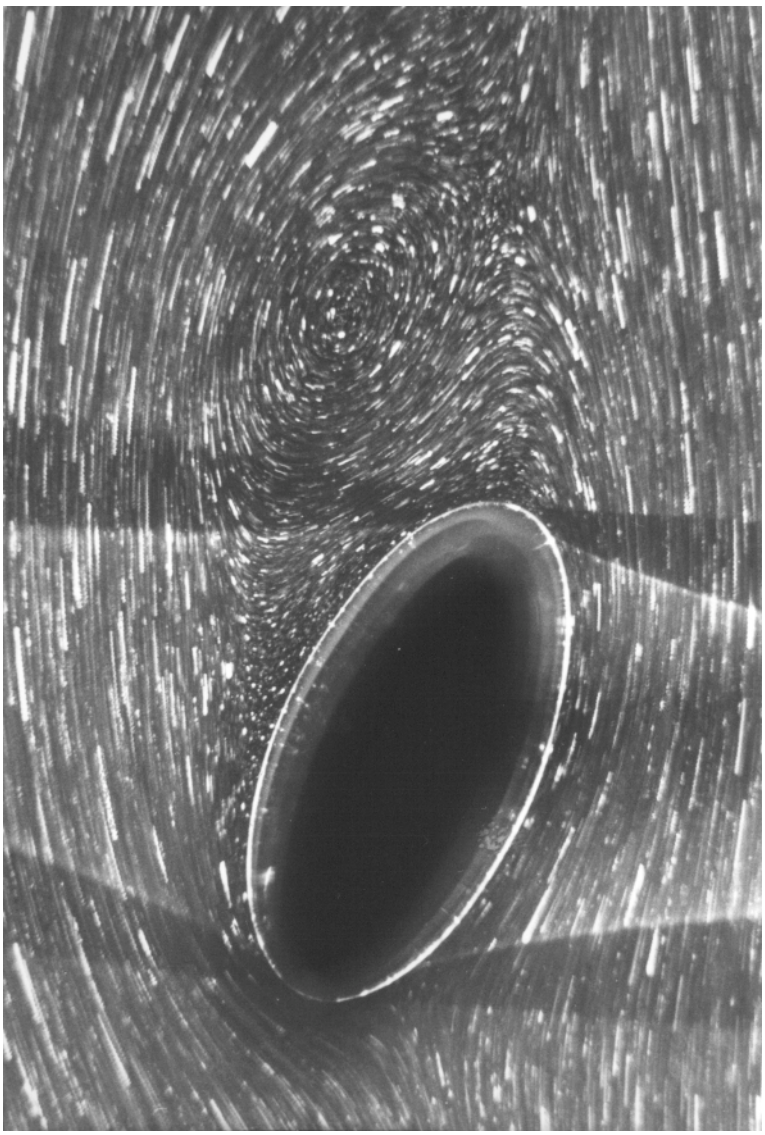

Image ID : ELLIP-04
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around elliptic cylinder with impulsive start (x/d=2.70)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the elliptical cylinder. 2:1elliptical cylinder.
The major radius d = 3cm. R = 135.
x is the distance of the cylinder from the starting point.

Author : S. Taneda
Published in :

Reproduced from: unpublished

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

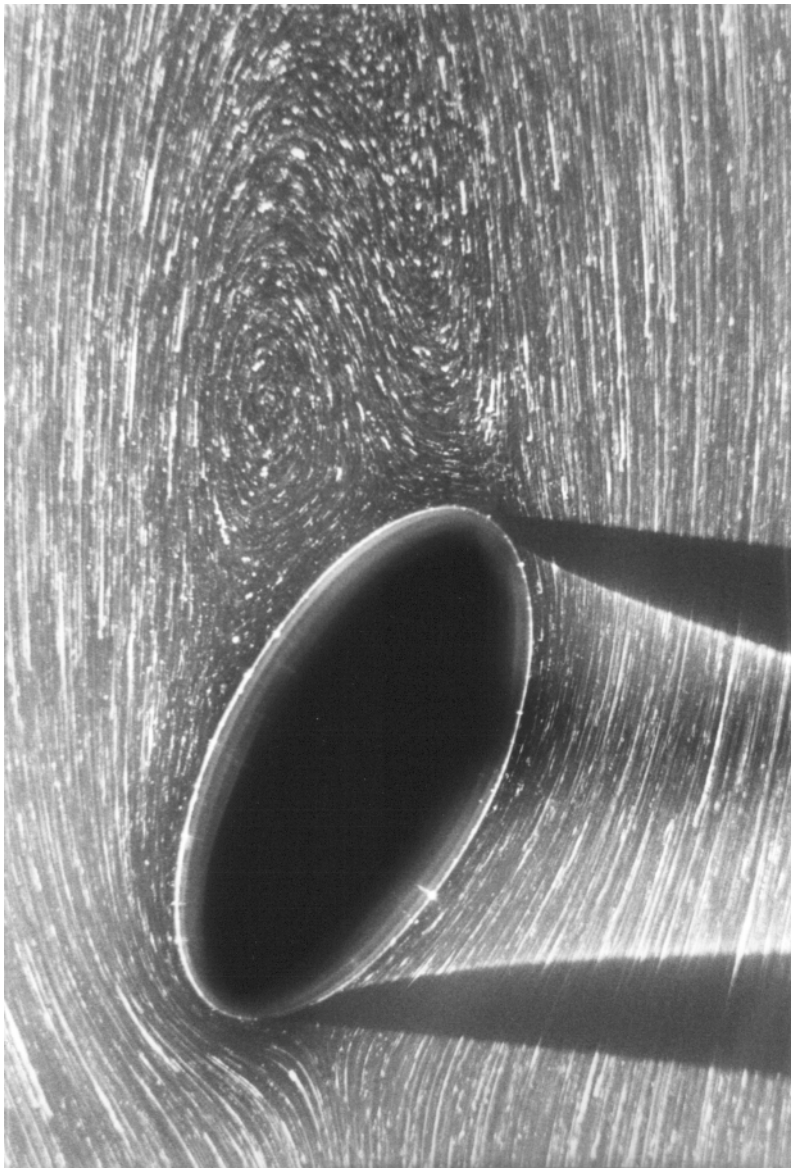

Image ID : ELLIP-05
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder accelerated impulsively
(before acceleration)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the elliptical cylinder. 2:1elliptic cylinder.
The major radius d = 3cm. R = 46.3. Steady state.

Author : S. Taneda
Published in :

Reproduced from: unpublished

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

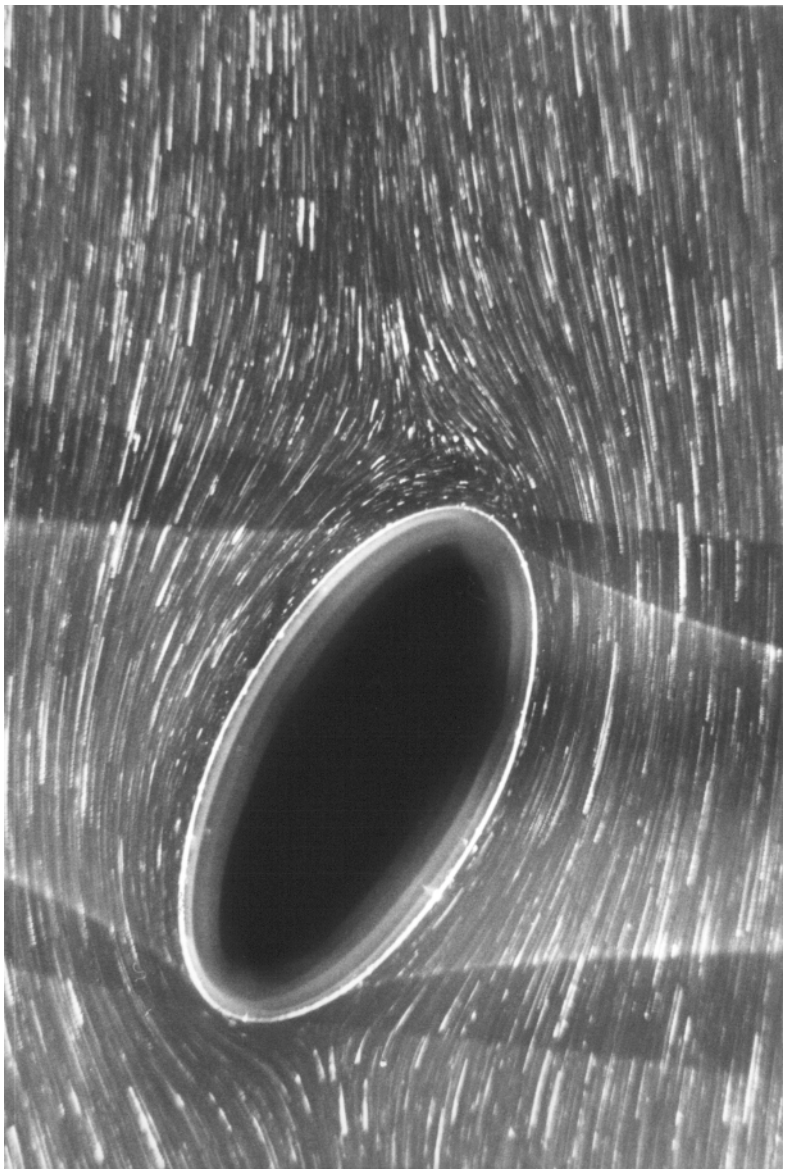

Image ID : ELLIP-06
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder accelerated impulsively (x/d=0.43)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the elliptical cylinder. 2:1elliptic cylinder.
The major radius d = 3cm. R = 151.
x is the distance of the cylinder from the point of acceleration.

Author : S. Taneda
Published in :

Reproduced from: unpublished

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

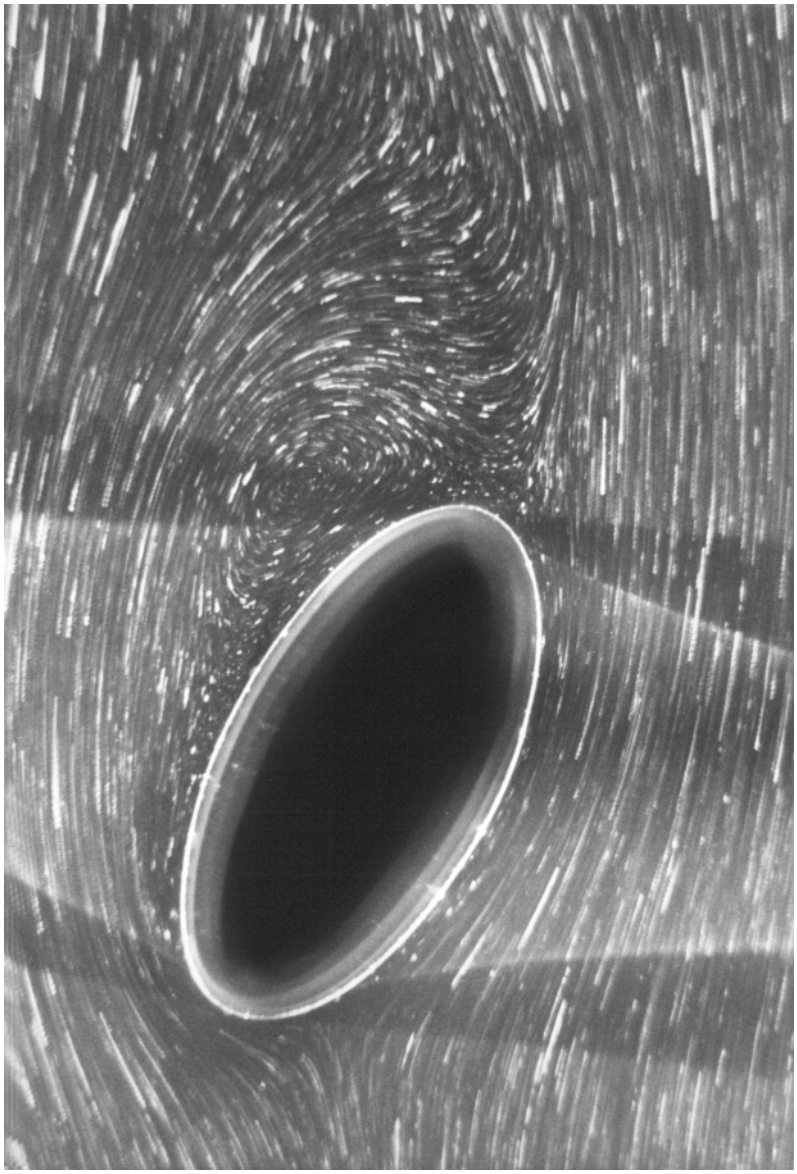

Image ID : ELLIP-07
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder accelerated impulsively (x/d=1.48)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the elliptical cylinder. 2:1elliptic cylinder.
The major radius d = 3cm. R = 151.
x is the distance of the cylinder from the point of acceleration.

Author : S. Taneda
Published in :

Reproduced from: unpublished

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

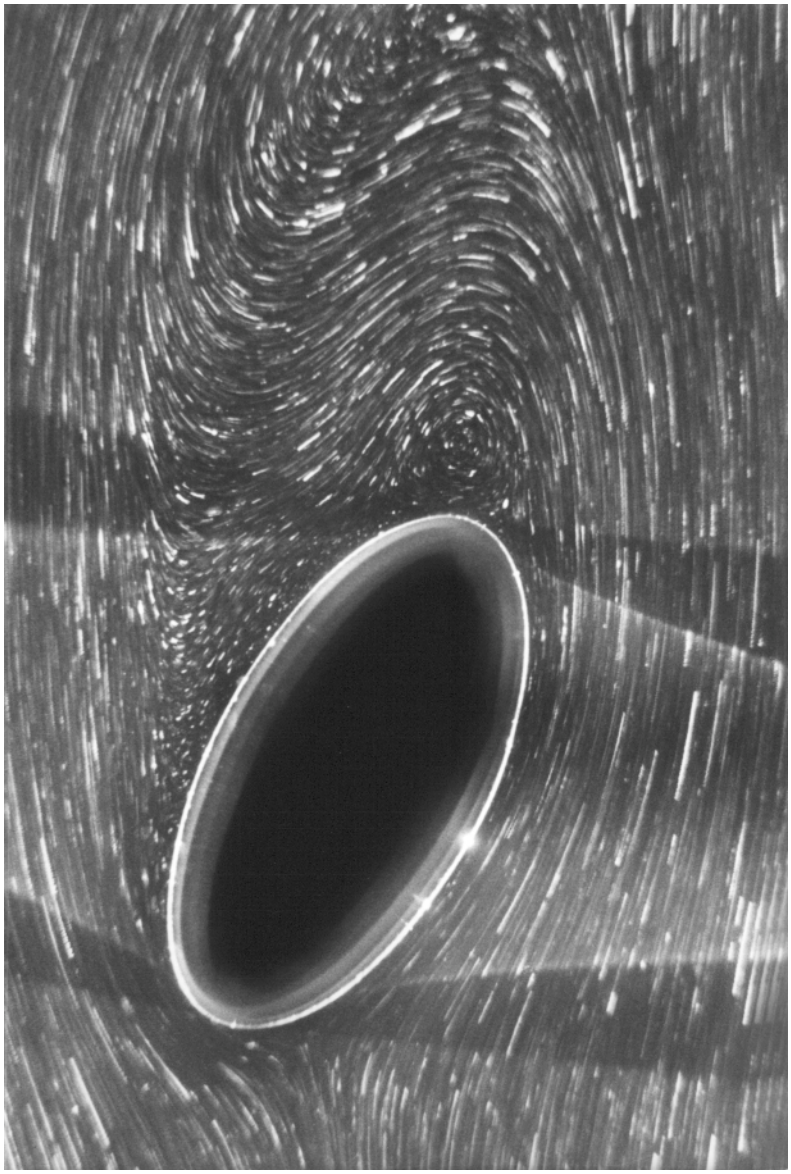

Image ID : ELLIP-08
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder accelerated impulsively (x/d=3.24)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the elliptical cylinder. 2:1elliptic cylinder.
The major radius d = 3cm. R = 151.
x is the distance of the cylinder from the point of acceleration.

Author : S. Taneda
Published in :

Reproduced from: unpublished

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

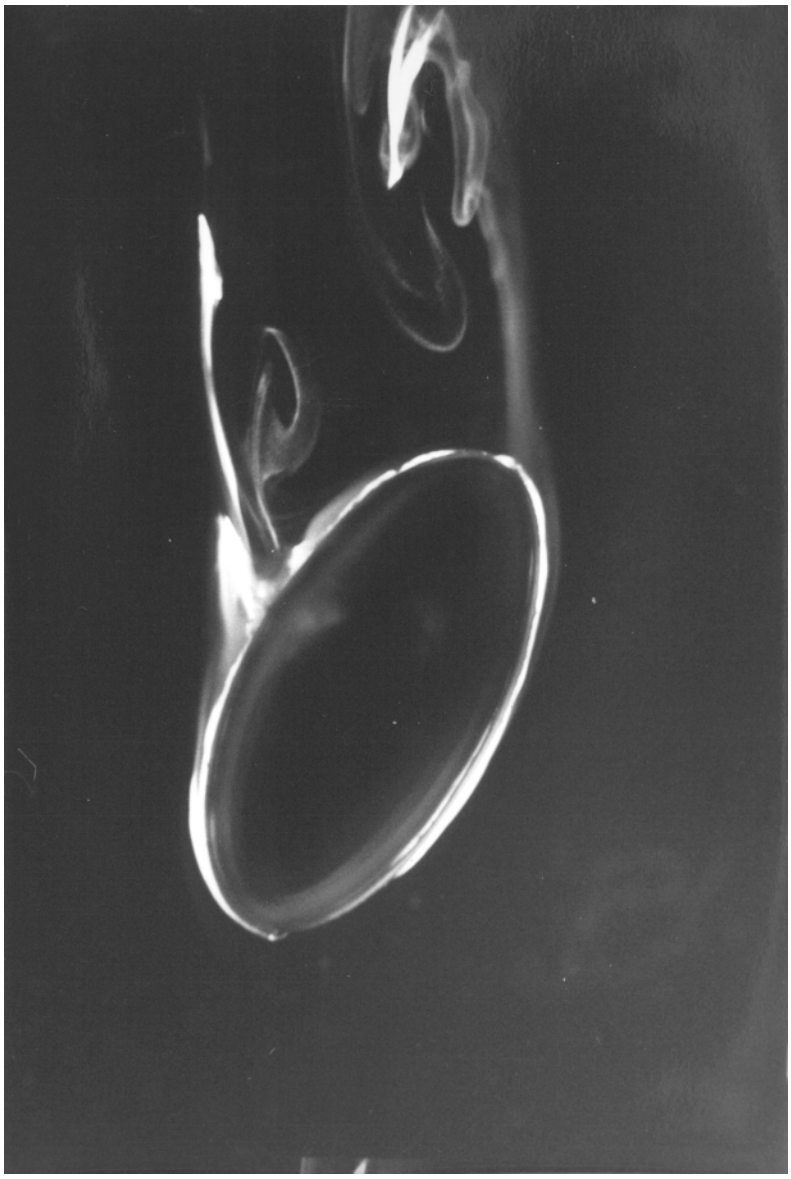

Image ID : ELLIP-09
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder accelerated impulsively
(before acceleration)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation.
2:1elliptic cylinder. The major radius d = 3cm. R = 44.
Steady state.

Author : S. Taneda
Published in : 1977
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

Image ID : ELLIP-10
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder accelerated impulsively (x/d=0.99)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation.
2:1elliptic cylinder. The major radius d = 3cm. R = 151.
x is the distance of the cylinder from the point of acceleration.

Author : S. Taneda
Published in : 1977
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Reproduced from: S.Taneda: Prog. Aerospace Sci. Vol.17, No.4 (1977) 287.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

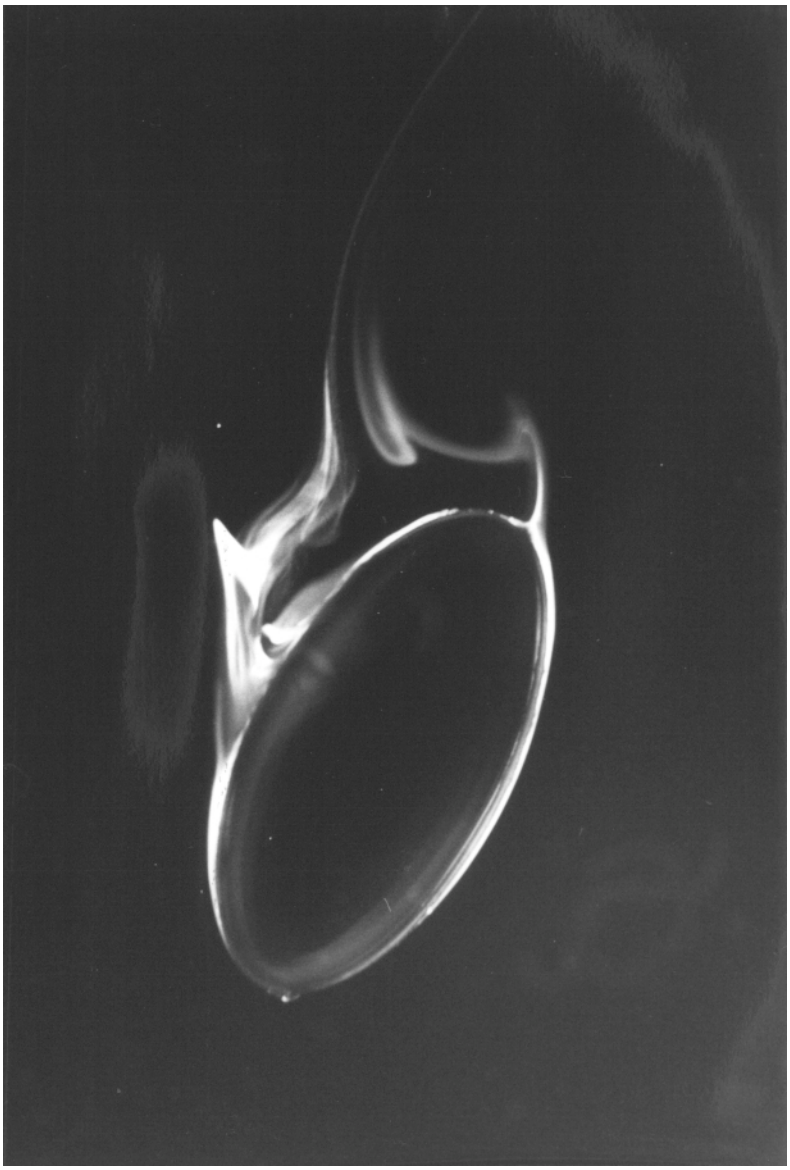

Image ID : ELLIP-11
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder accelerated impulsively (x/d=3.4)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation.
2:1elliptic cylinder. The major radius d = 3cm. R = 151.
x is the distance of the cylinder from the point of acceleration.

Author : S. Taneda
Published in : 1977
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

Image ID : ELLIP-12
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder accelerated impulsively (x/d=8.79)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation.
2:1elliptic cylinder. The major radius d = 3cm. R = 151.
x is the distance of the cylinder from the point of acceleration.

Author : S. Taneda
Published in : 1977
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

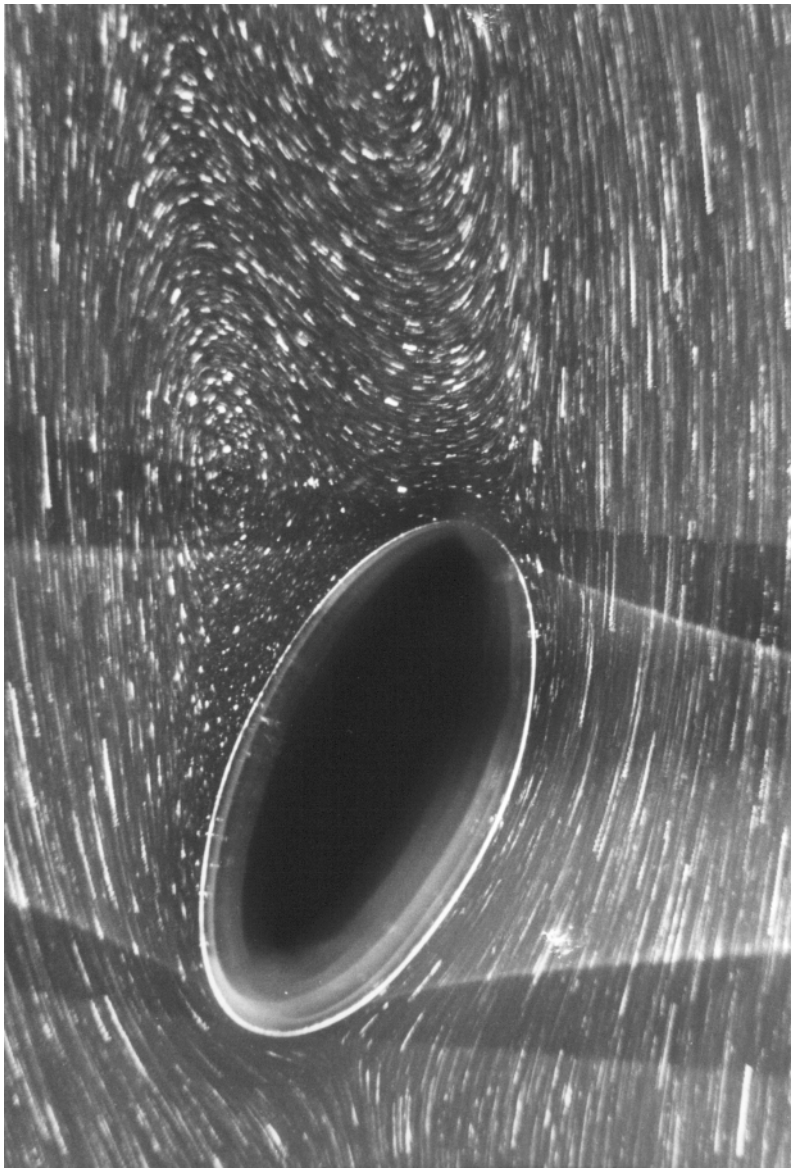

Image ID : ELLIP-13
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder decelerated impulsively (before deceleration)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the elliptical cylinder.
2:1elliptic cylinder. The major radius d = 3cm. R = 149. Steady state.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

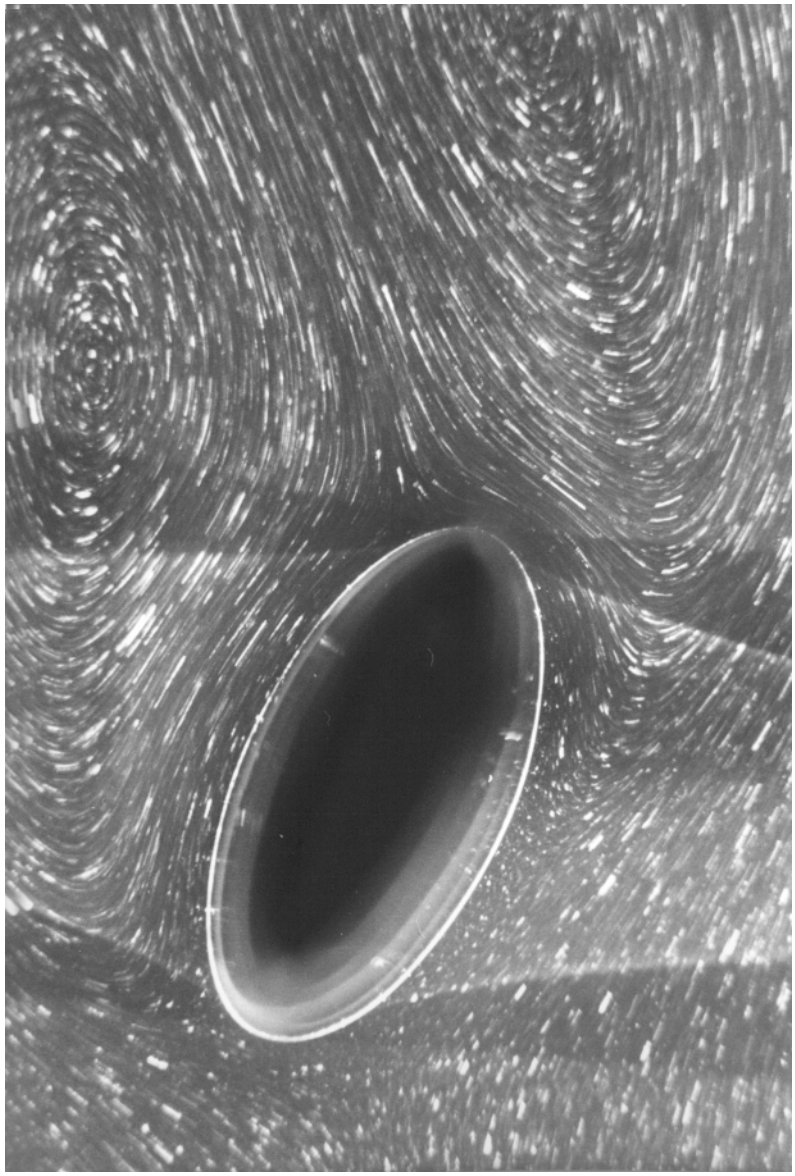

Image ID : ELLIP-14
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder accelerated impulsively (x/d=0.14)
Notes : Static watertank experiment.
Streamline pattern visualized by the electrolytic precipitation.
Camera was fixed to the elliptical cylinder.
2:1elliptical cylinder. The longer radius d = 3cm. R = 42.
x is the distance of the cylinder from the point of deceleration.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

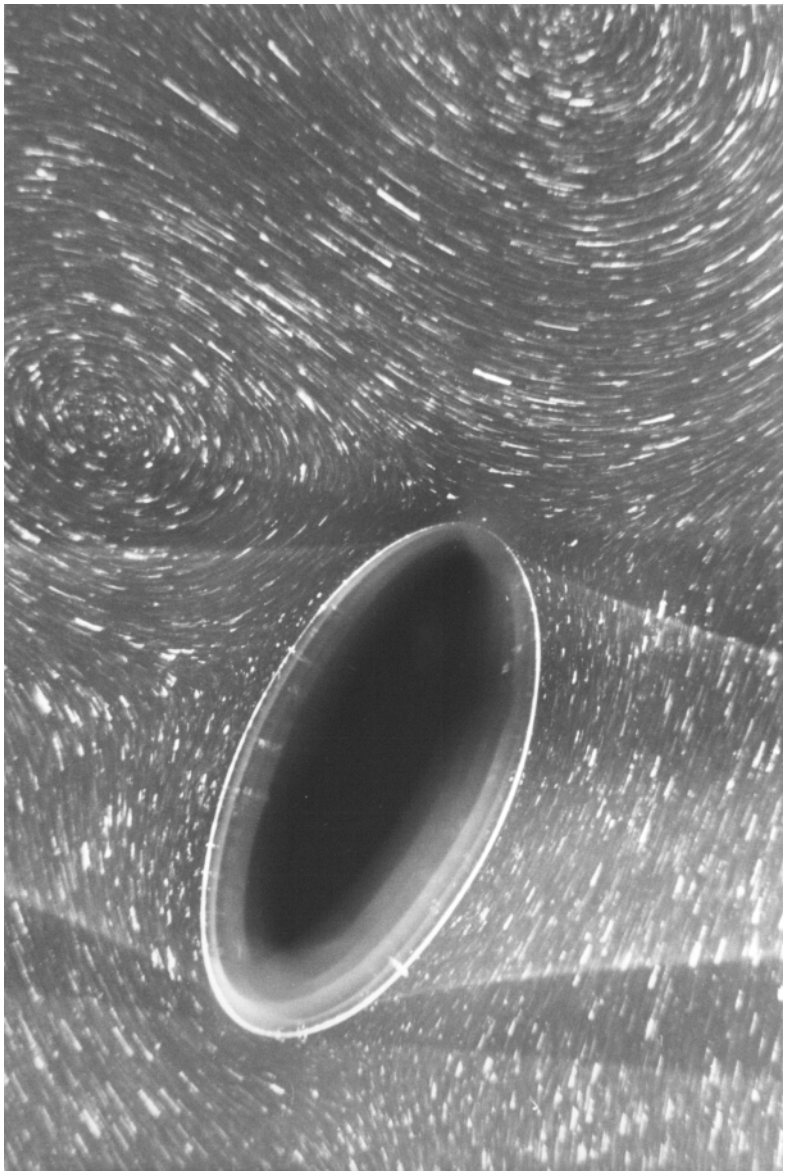

Image ID : ELLIP-15
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder accelerated impulsively (x/d=1.03)
Notes : Static watertank experiment.
Streamline pattern visualized by the electrolytic precipitation.
Camera was fixed to the elliptical cylinder.
2:1elliptical cylinder. The longer radius d = 3cm. R = 42.
x is the distance of the cylinder from the point of deceleration.

Author : S. Taneda
Published in : 1977
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

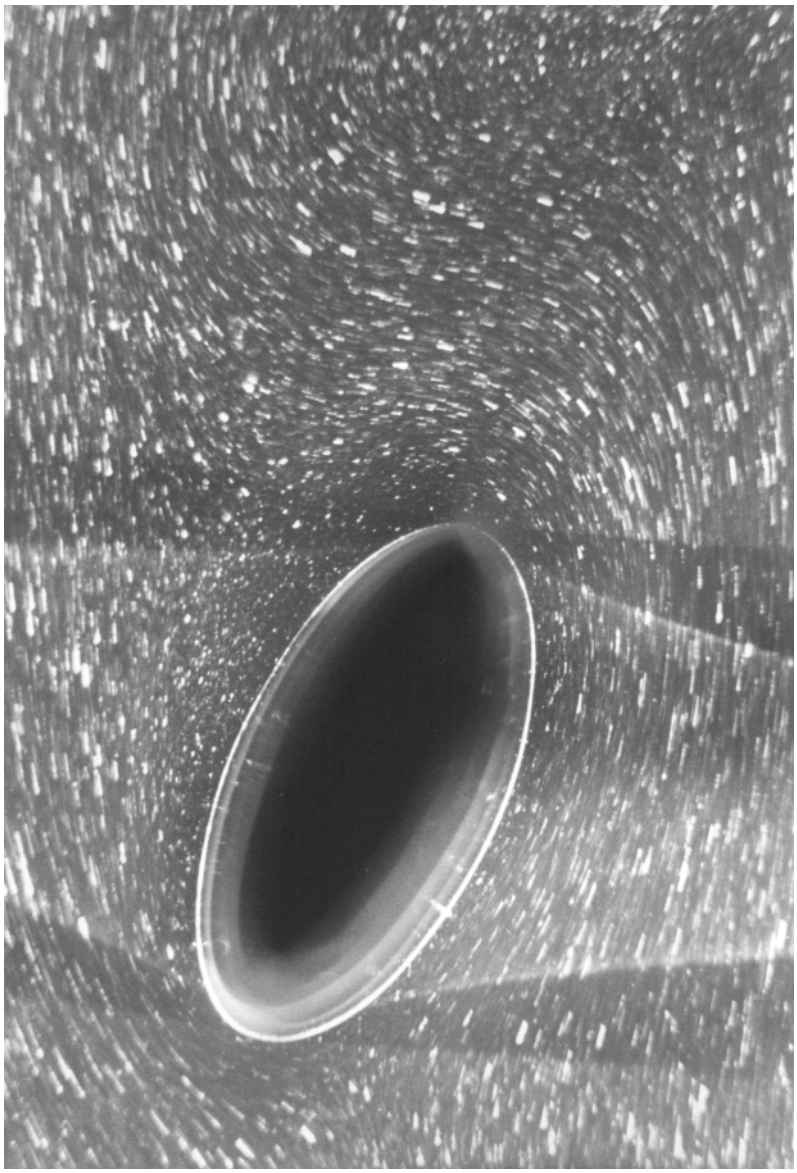

Image ID : ELLIP-16
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder accelerated impulsively (x/d=3.42)
Notes : Static watertank experiment.
Streamline pattern visualized by the electrolytic precipitation.
Camera was fixed to the elliptical cylinder.
2:1elliptical cylinder. The longer radius d = 3cm. R = 42.
x is the distance of the cylinder from the point of deceleration.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

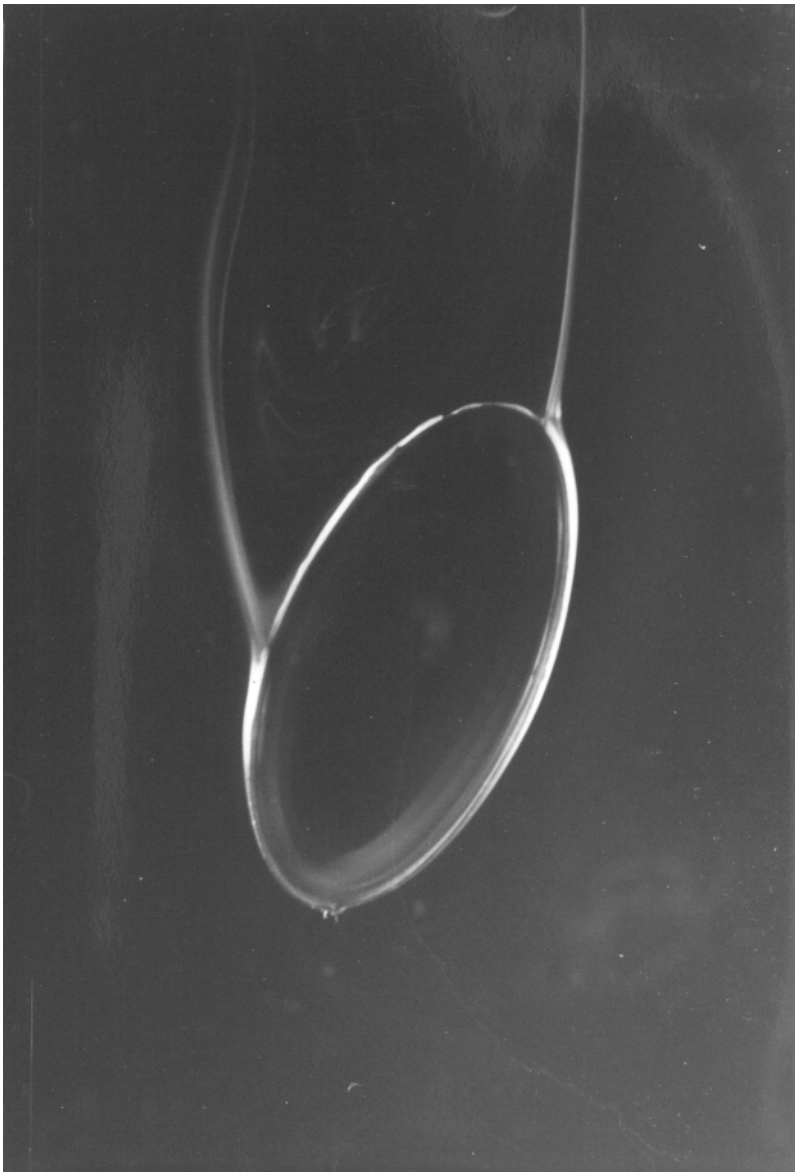

Image ID : ELLIP-17
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder decelerated impulsively
(before deceleration)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation.
2:1elliptic cylinder. The major radius d = 3cm. R = 145. Steady state.

Author : S. Taneda
Published in : 1977
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

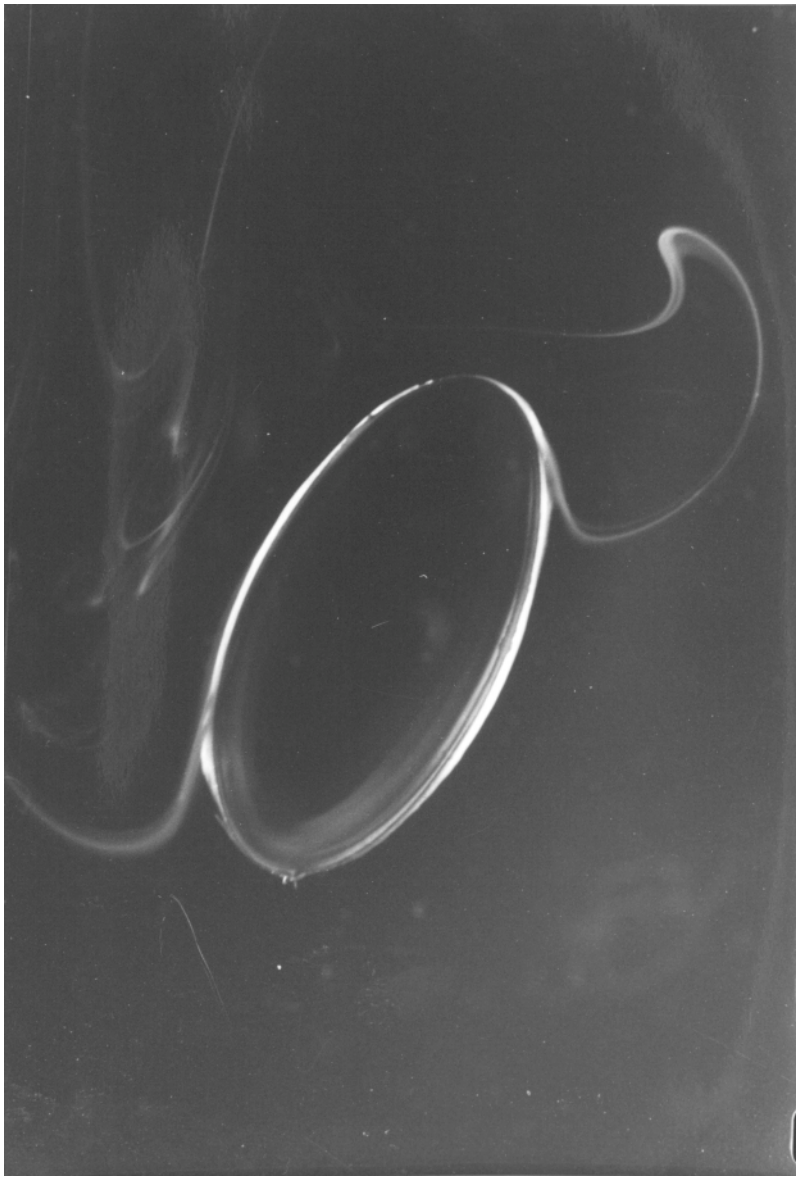

Image ID : ELLIP-18
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder accelerated impulsively (x/d=0.42)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation.
2:1elliptic cylinder. The major radius d = 3cm. R = 43.
x is the distance of the cylinder from the point of deceleration.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

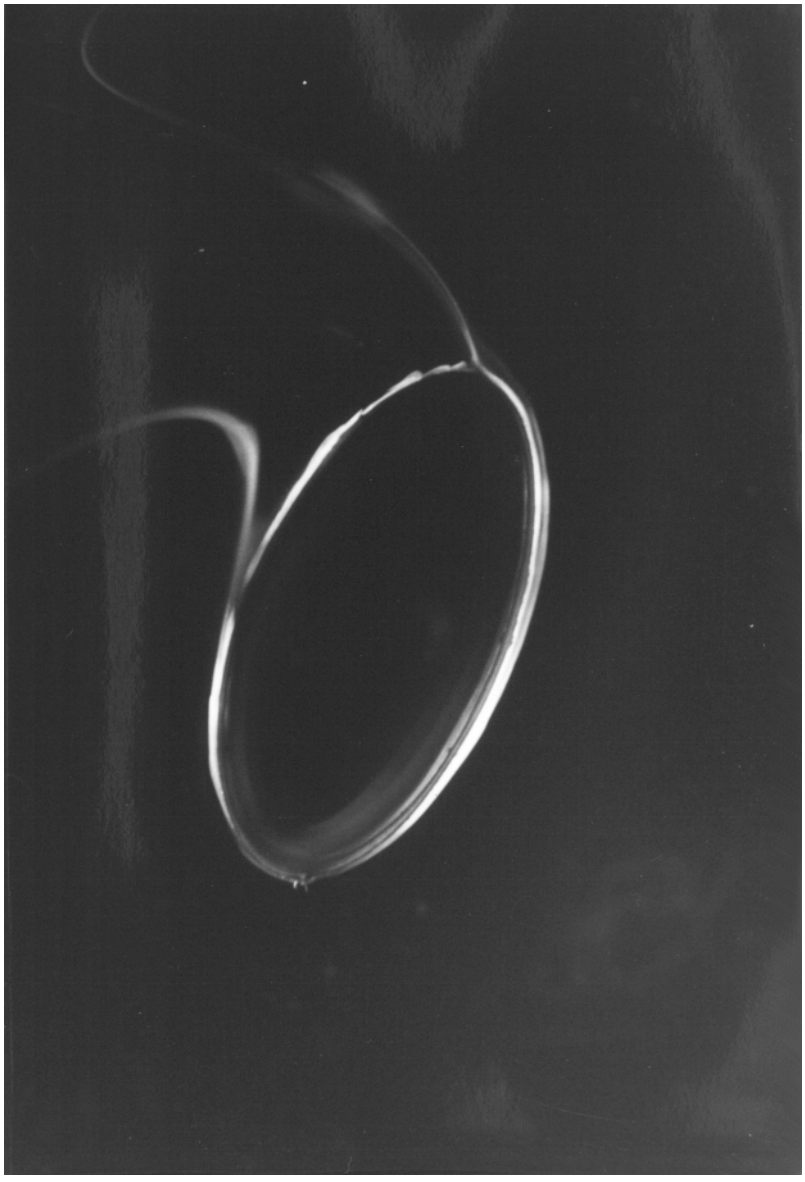

Image ID : ELLIP-19
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder accelerated impulsively (x/d=1.87)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation.
2:1elliptic cylinder. The major radius d = 3cm. R = 43.
x is the distance of the cylinder from the point of deceleration.

Author : S. Taneda
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

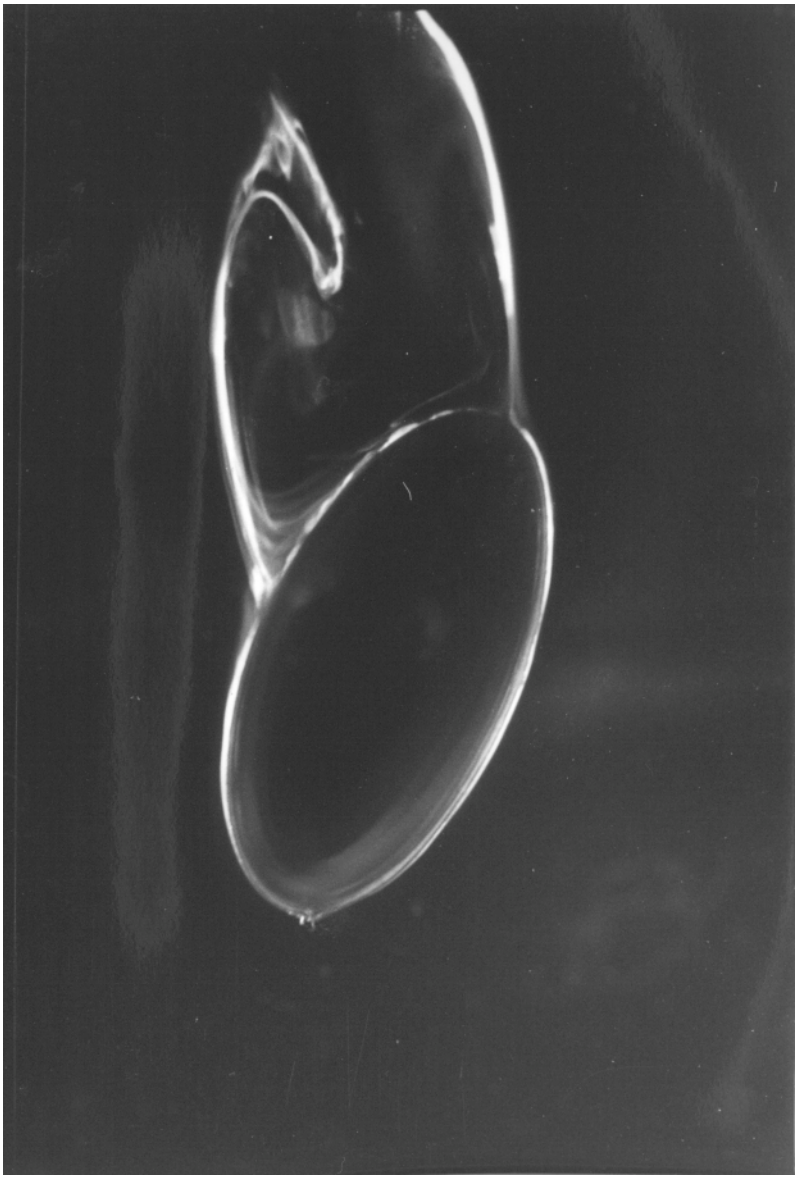

Image ID : ELLIP-20
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder accelerated impulsively (x/d=19.1)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation.
2:1elliptic cylinder. The major radius d = 3cm. R = 43.
x is the distance of the cylinder from the point of deceleration.

Author : S. Taneda
Published in : 1977
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

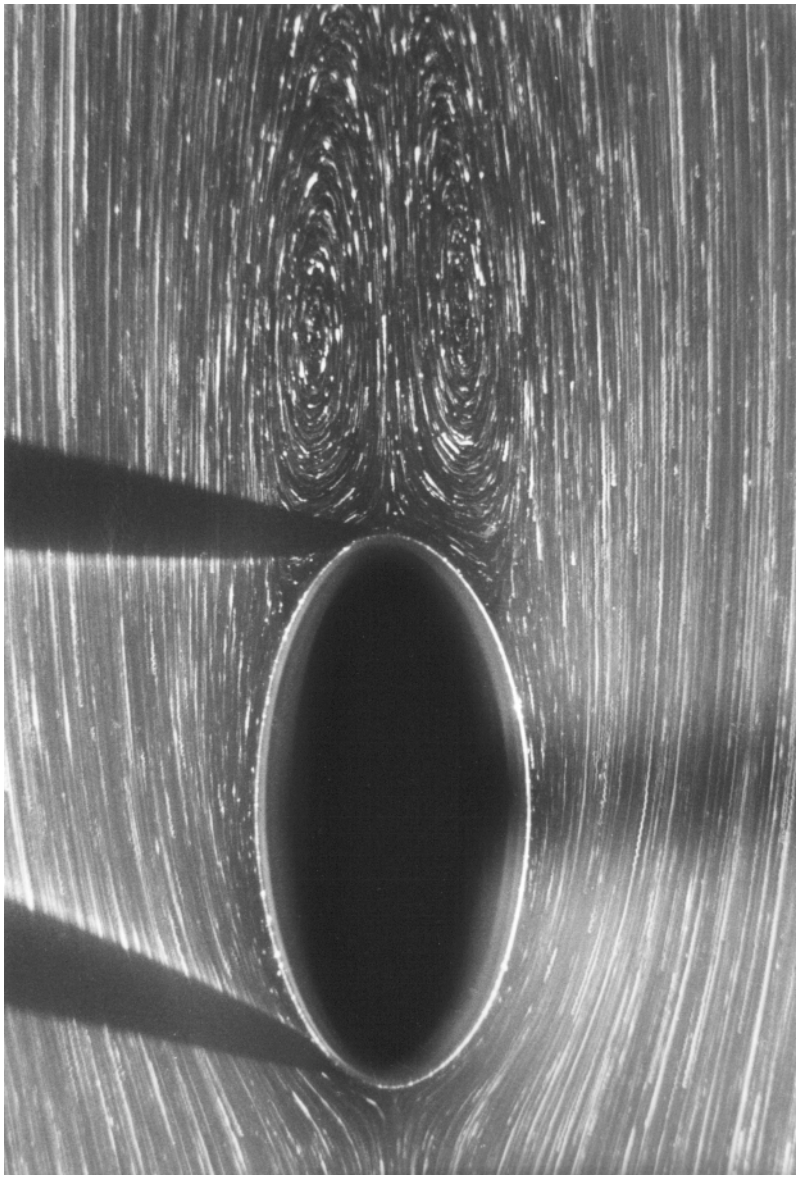

Image ID : ELLIP-21
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder with impulsively increasing angle of incidence (before the meet angle increased)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
2:1elliptic cylinder. The major radius d = 3cm. R = 152.
Angle of incidence is 0°. Steady state.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

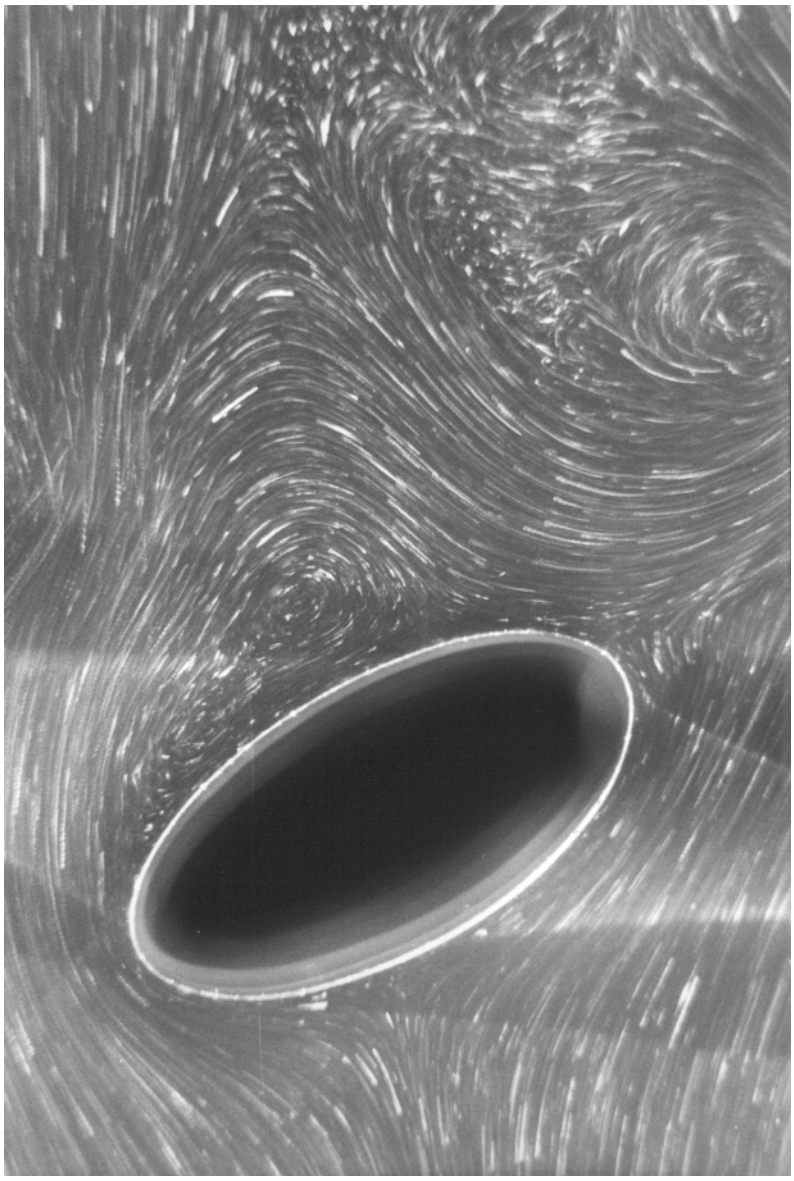

Image ID : ELLIP-22
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptical cylinder increasing angle of incidence (x=0.52d)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
2:1elliptic cylinder. The rotating axis is the ellipse axis.
The major radius d = 3cm. R = 152. Angle of incidence is 60cm.
x is the distance of the cylinder from the point of angle increase.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

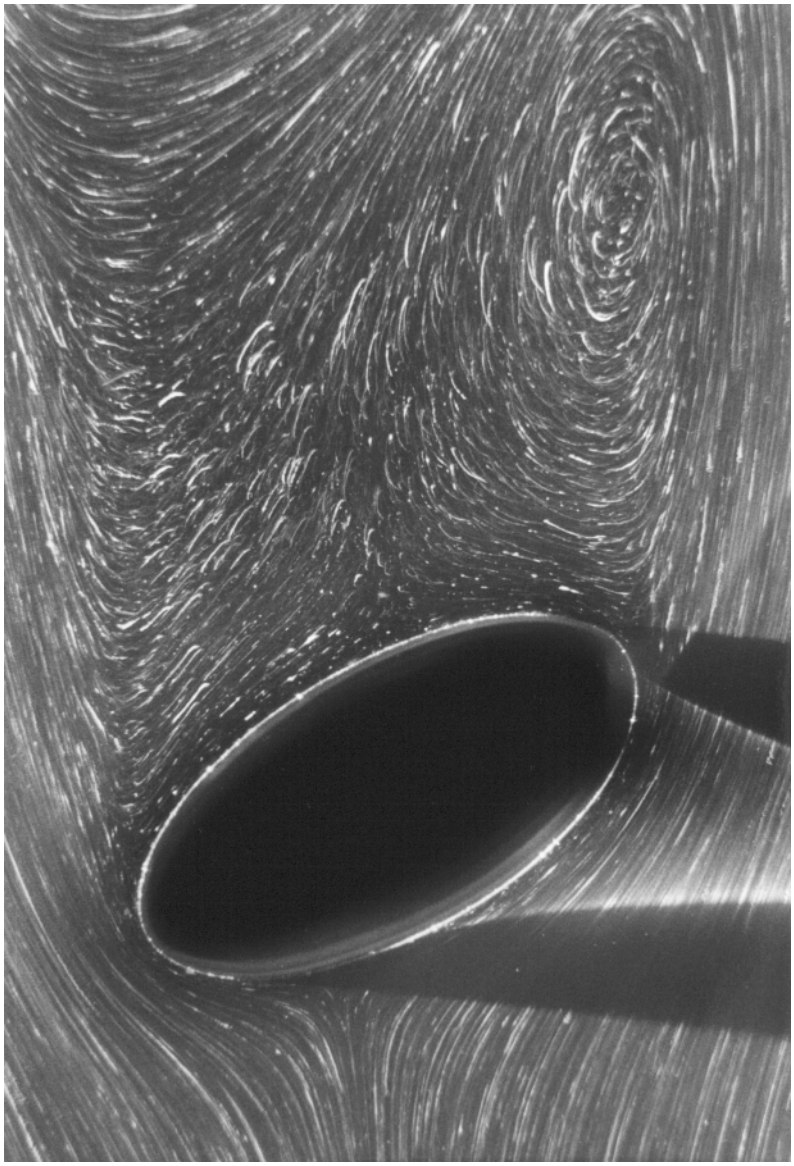

Image ID : ELLIP-23
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder with impulsively decreasing angle of incidence (before the meet angle decrease)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the elliptical cylinder.
2:1elliptic cylinder. The major radius d = 3cm. R = 152.
Angle of incidence is 60°. Steady state.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

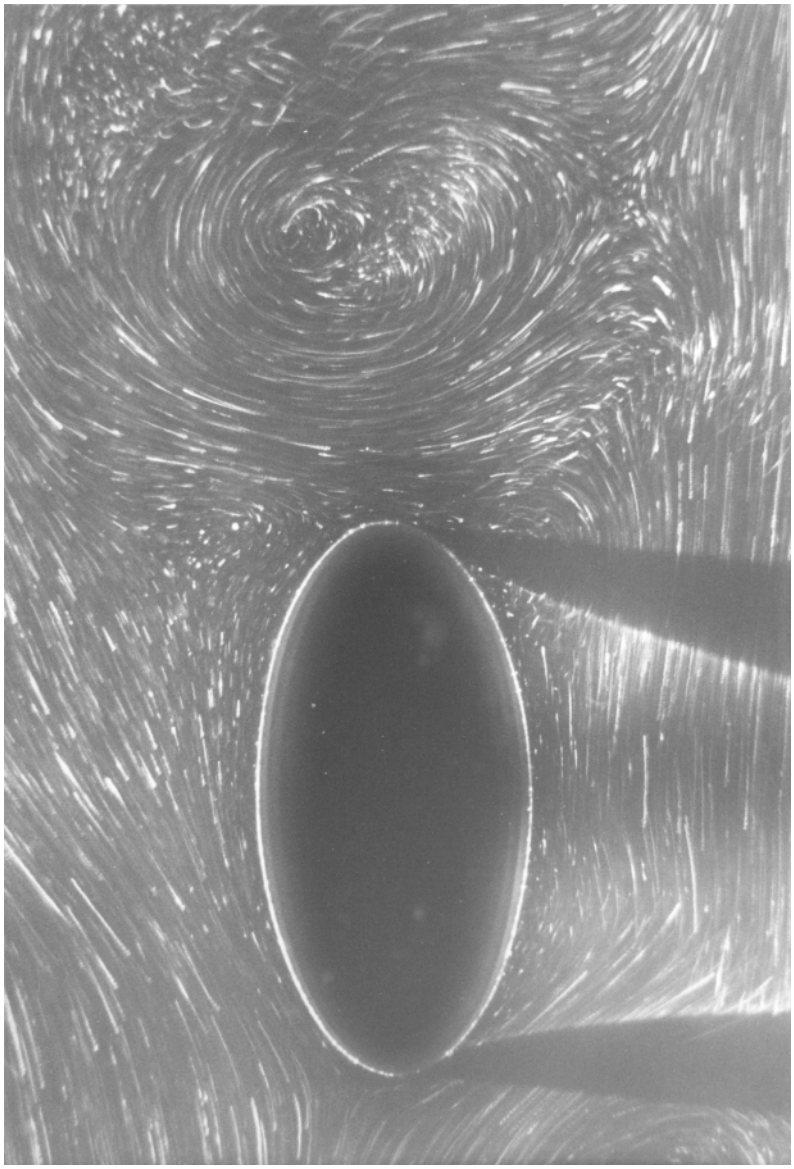

Image ID : ELLIP-24
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streamline pattern around an elliptic cylinder with impulsively decreasing angle of incidence (x=0.59d)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
2:1elliptic cylinder. The rotating axis is the ellipse axis.
The major radius d = 3cm. R = 152. Angle of incidence is 0°.
x is the distance of the cylinder from the point of angle decrease.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

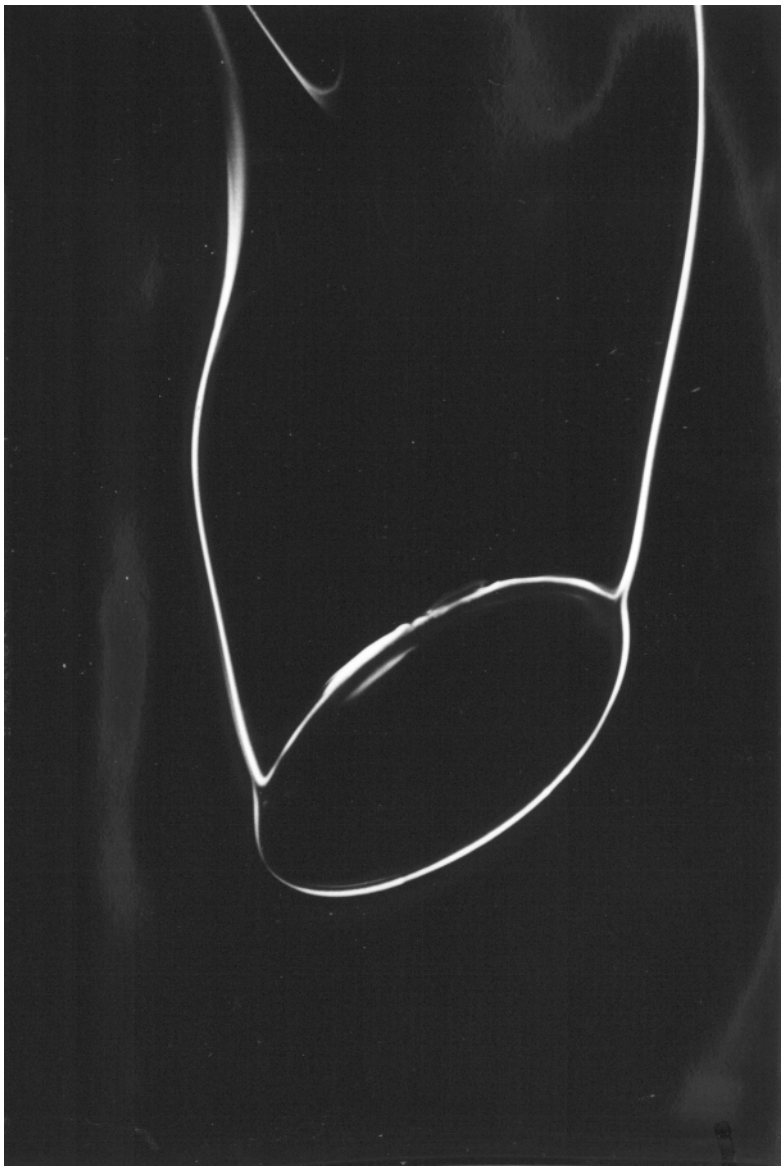

Image ID : ELLIP-25
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder with impulsively decreasing angle of incidence (before the meet angle decreased)
Notes : Static watertank experiment.
Streamline pattern visualized by the electrolytic precipitation
2:1elliptic cylinder. The major radius d = 3cm. R = 135. Angle of incidence is 60°.
Steady state.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

Image ID : ELLIP-26
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder with impulsively decreasing angle of incidence (x=0.82d)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation
2:1elliptic cylinder. The major radius d = 3cm. R = 135.
The rotating axis is the ellipse axis. Angle of incidence is 0°.
x is the distance of the cylinder from the point of angle decrease.

Author : S. Taneda
Published in : 1977

Reproduced from: S.Taneda: Prog. Aerospace Sci. Vol.17, No.4 (1977) 287.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

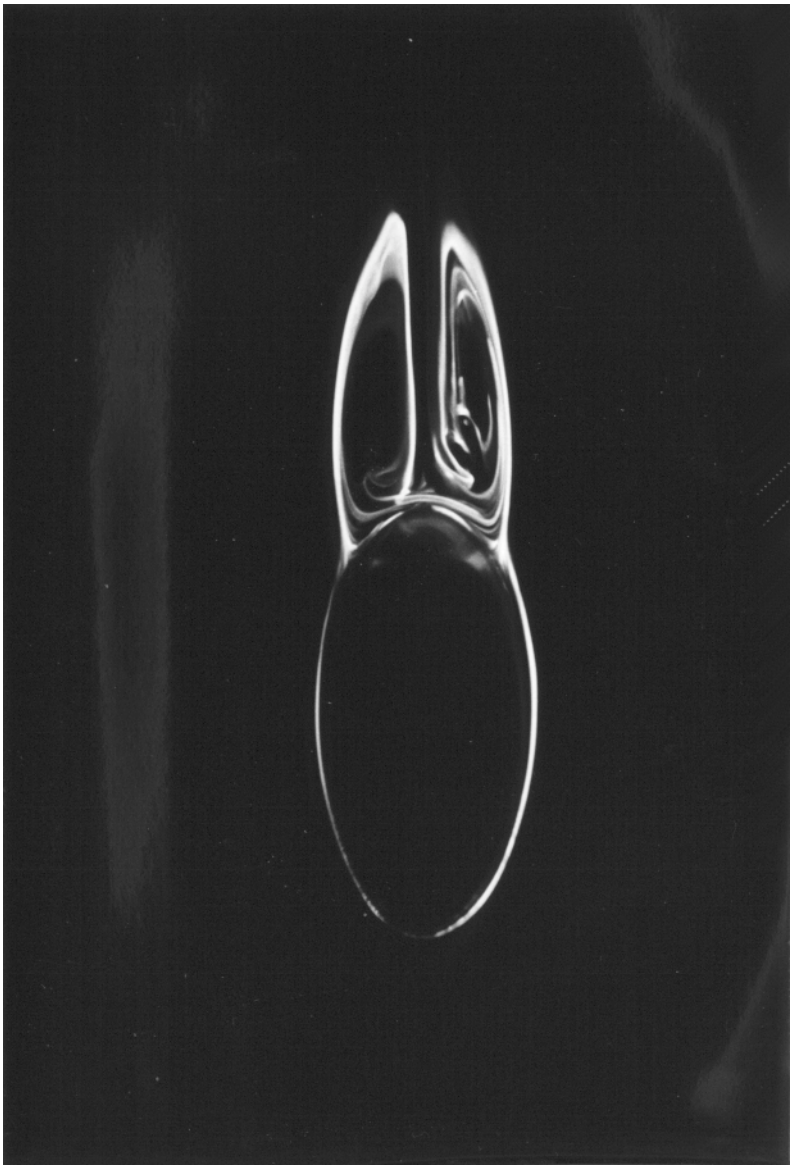

Image ID : ELLIP-27
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder with impulsively increasing angle of incidence (before the meet angle increased)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation
2:1elliptic cylinder. The major radius d = 3cm. R = 135.
Angle of incidence is 0°. Steady state.

Author : S. Taneda
Published in : 1977

Reproduced from: S.Taneda: Prog. Aerospace Sci. Vol.17, No.4 (1977) 287.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

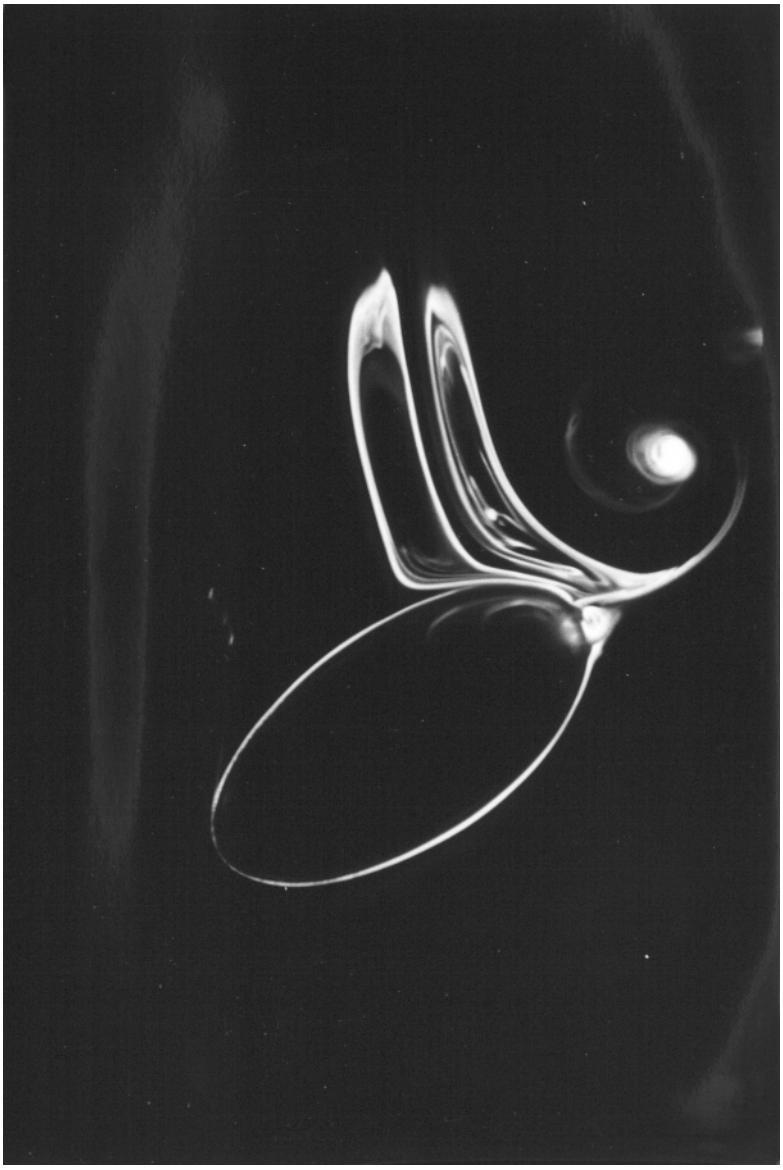

Image ID : ELLIP-28
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Streakline around an elliptic cylinder with impulsively increasing angle of incidence (x=0.53d)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation
2:1elliptic cylinder. The major radius d = 3cm. R = 135.
The rotating axis is the ellipse axis. Angle of incidence is 60°.
x is the distance of the cylinder from the point of angle increase.

Author : S. Taneda
Published in : 1977

Reproduced from: S.Taneda: Prog. Aerospace Sci. Vol.17, No.4 (1977) 287.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

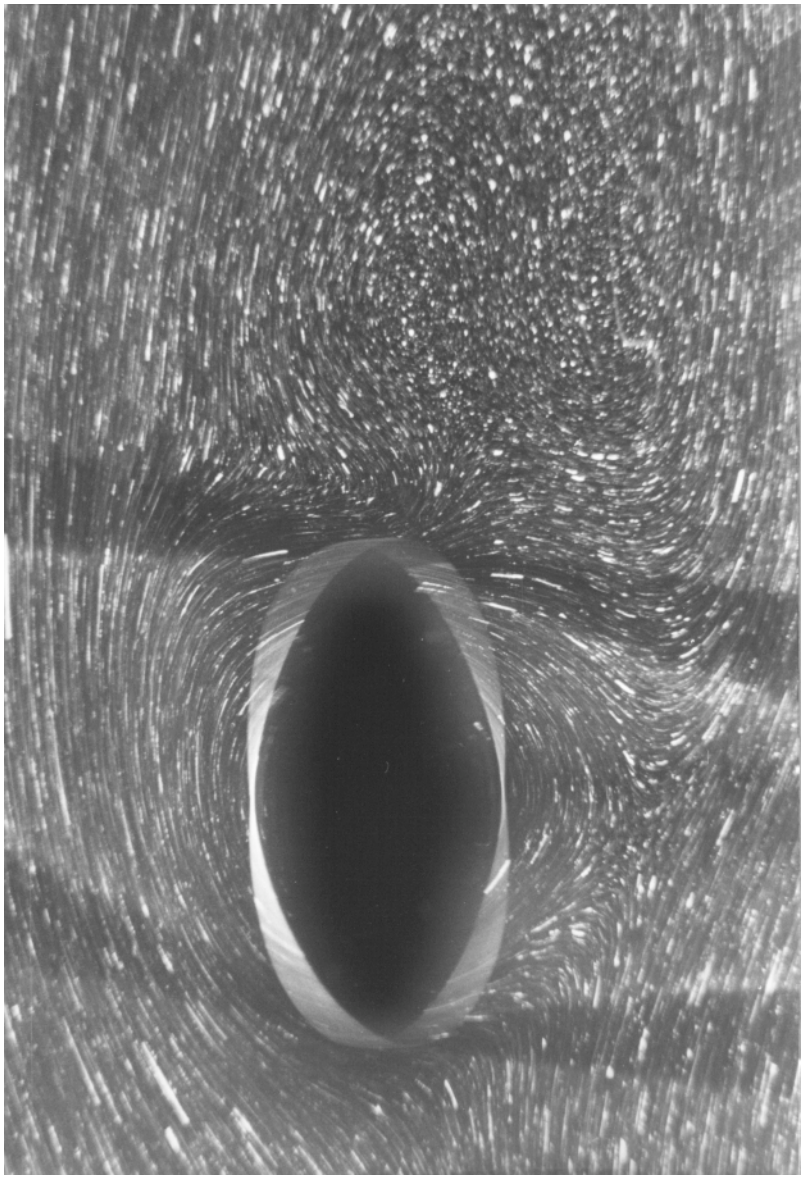

Image ID : ELLIP-29
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title :Streamline pattern around an elliptic cylinder rotating steadily
(when the angle of incidence is 0°)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
2:1elliptic cylinder. The major radius d = 3cm. R = 41.
Rotating direction is clockwise. Rotating period is 60 seconds.
The rotating axis is the ellipse axis.

Author : S. Taneda
Published in : 1977

Reproduced from: S.Taneda: Prog. Aerospace Sci. Vol.17, No.4 (1977) 287.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder

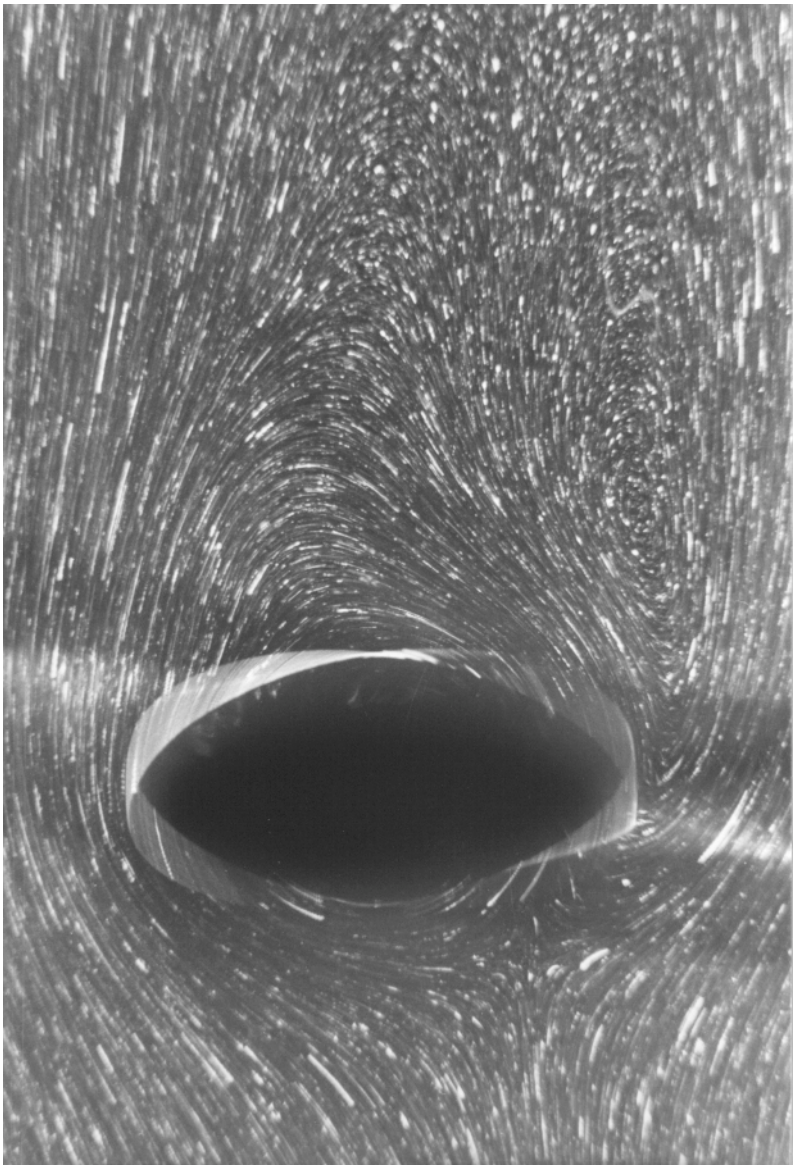

Image ID : ELLIP-30
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title :Streamline pattern around an elliptic cylinder rotating steadily
(when the angle of incidence is 90°)

Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
2:1elliptic cylinder. The major radius d = 3cm. R = 41.
Rotating direction is clockwise. Rotating period is 60 seconds.
The rotating axis is the ellipse axis.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder

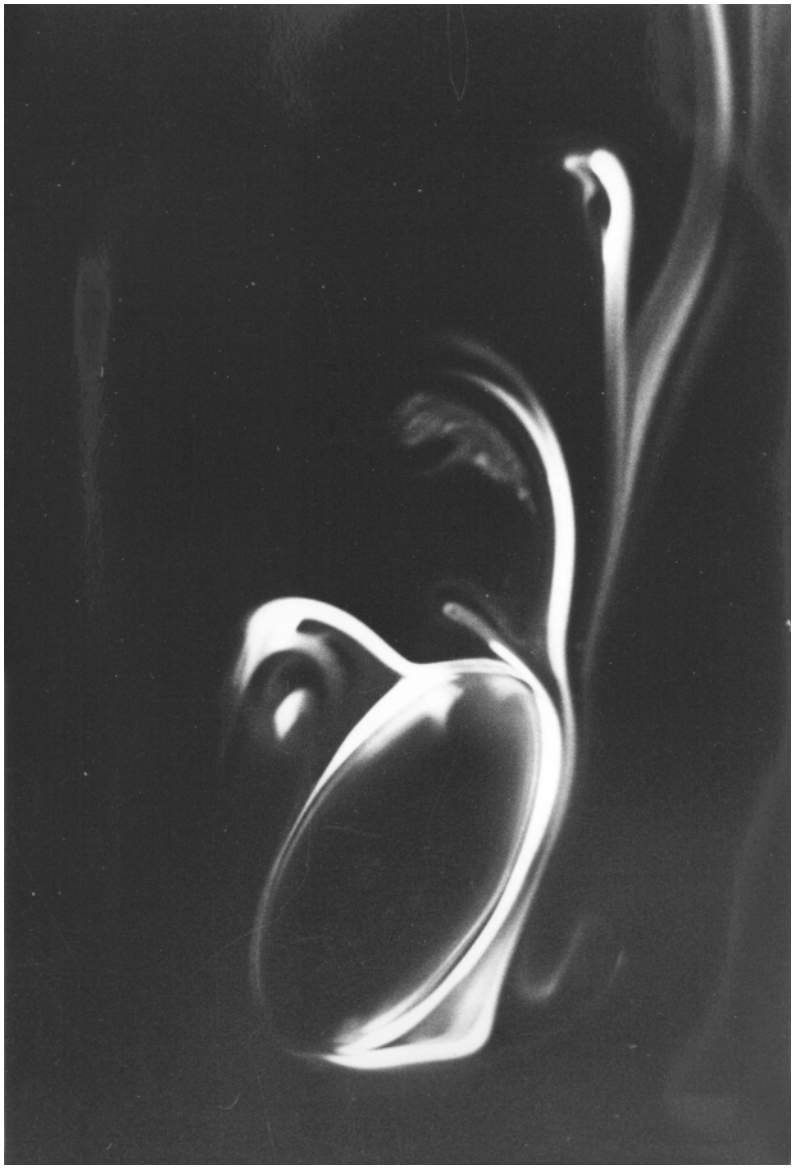

Image ID : ELLIP-31
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title :Streakline around an elliptic cylinder rotating steadily
(when the angle of incidence is 30°)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation.
2:1elliptic cylinder. The major radius d = 3cm. R = 129.
The rotating axis is the ellipse axis. Rotating direction is clockwise.
Rotating speed is 0.17rps.

Author : S. Taneda
Published in : 1977

Reproduced from: S.Taneda: Prog. Aerospace Sci. Vol.17, No.4 (1977) 287.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

Image ID : ELLIP-32
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title :Streakline around an elliptic cylinder rotating steadily
(when the angle of incidence is 105°)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation.
2:1elliptic cylinder. The major radius d = 3cm. R = 129.
The rotating axis is the ellipse axis. Rotating direction is clockwise.
Rotating speed is 0.17rps.

Author : S. Taneda
Published in : 1977

Reproduced from: S.Taneda: Prog. Aerospace Sci. Vol.17, No.4 (1977) 287.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

Image ID : ELLIP-33
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title :Streakline around an elliptic cylinder vibrating in the streamwise direction (when it goes back)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation
2:1elliptic cylinder. The major radius d = 3cm. R = 144.
Angle of incidence is 30°. Frequency is 0.1Hz. Amplitude of vibration is 1cm.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Vortex street

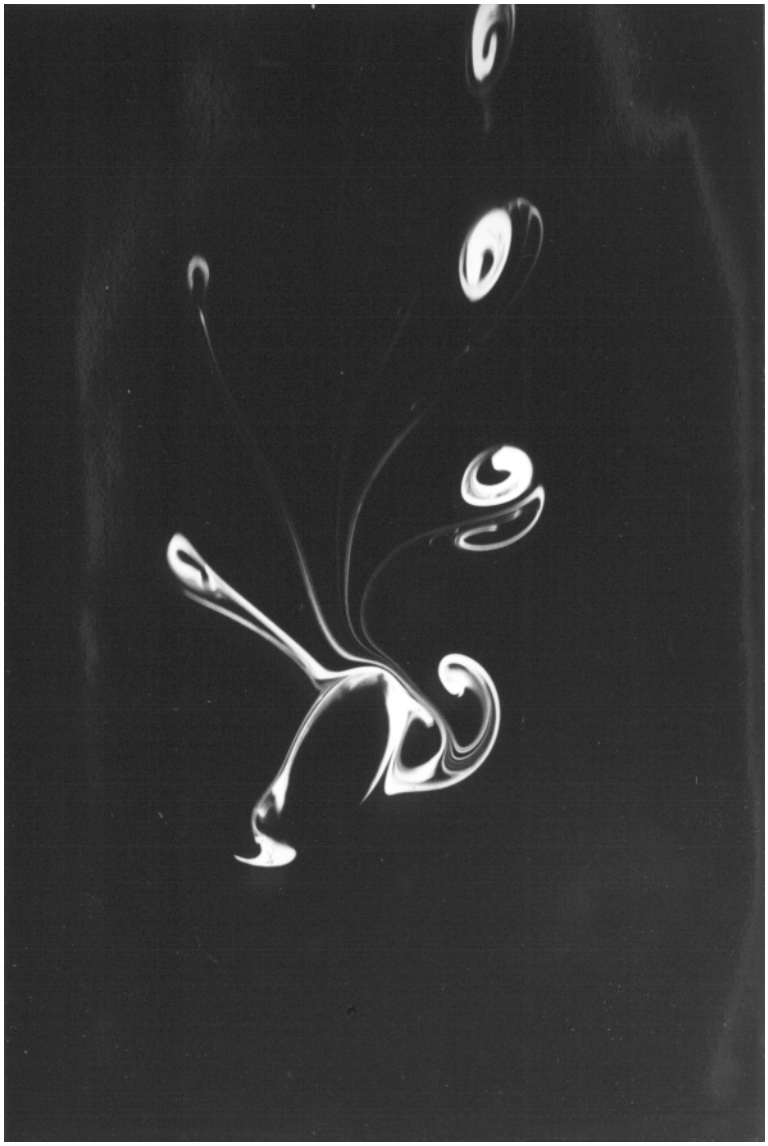

Image ID : ELLIP-34
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title :Streakline around an elliptic cylinder vibrating in the streamwise direction (when it goes ahead)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation
2:1elliptic cylinder. The major radius d = 3cm. R = 144.
Angle of incidence is 30°. Frequency is 0.1Hz. Amplitude of vibration is 1cm.

Author : S. Taneda
Published in : 1977
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Vortex street

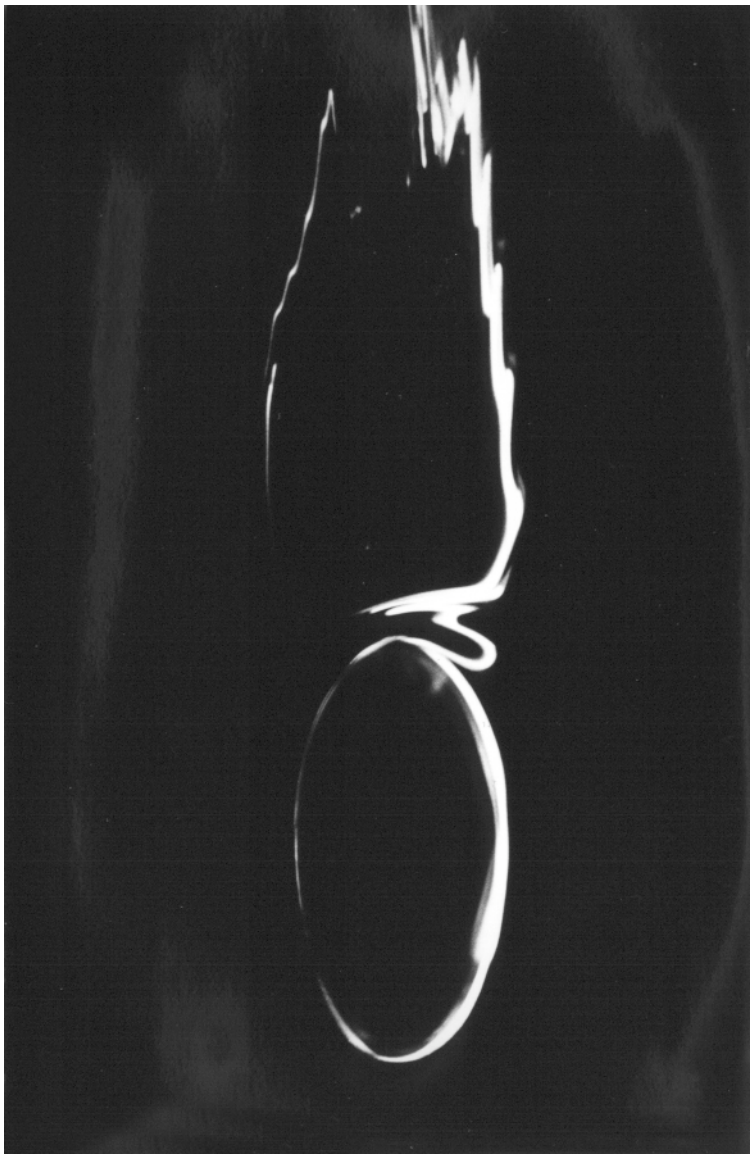

Image ID : ELLIP-35
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title :Streakline around an elliptic cylinder in rotatory vibration
(when it is rotating clockwise)
Notes : Static watertank experiment.
Streakline pattern visualized by the electrolytic precipitation
2:1elliptic cylinder. The major radius d = 3cm. R = 128.
Average angle of incidence is 0°. Amplitude of vibration is 30 °.Frequency is 0.17Hz.
The rotating axis is the ellipse axis.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

Image ID : ELLIP-36
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title :Streakline around an elliptic cylinder in rotatory vibration
(when it takes the largest angle of incidence)
Notes : Static watertank experiment.
Streamline pattern visualized by the electrolytic precipitation
2:1elliptic cylinder. The major radius d = 3cm. R = 128.
Average angle of incidence is 0°. Amplitude of vibration is 30°. Frequency is 0.17Hz.
The rotating axis is the ellipse axis.

Author : S. Taneda
Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streakline
Shape features : Elliptic cylinder, Separation

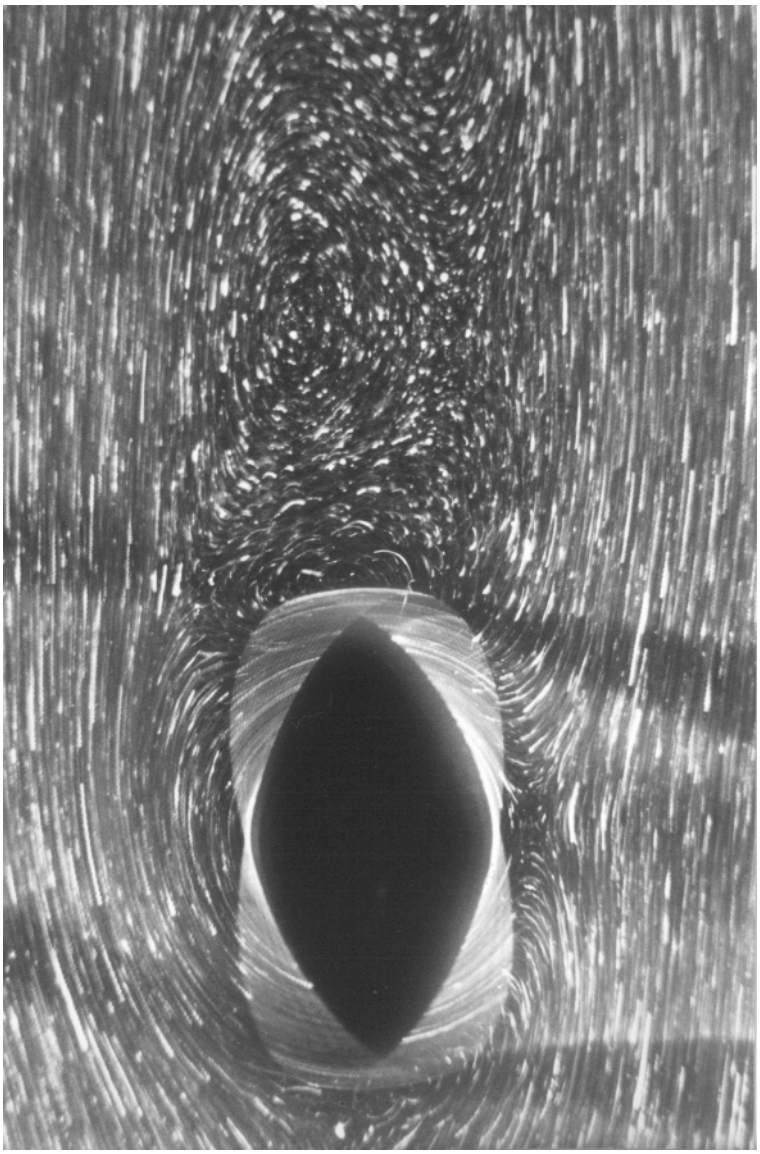

Image ID : ELLIP-37
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title :Streamline pattern around an elliptic cylinder in rotatory vibration
(when it is rotating clockwise)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
2:1elliptic cylinder. The major radius d = 3cm. R = 138.
Average angle of incidence is 0°. Amplitude of vibration is 30°. Frequency is 0.17Hz.
The rotating axis is the ellipse axis.

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Published in : 1977

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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation

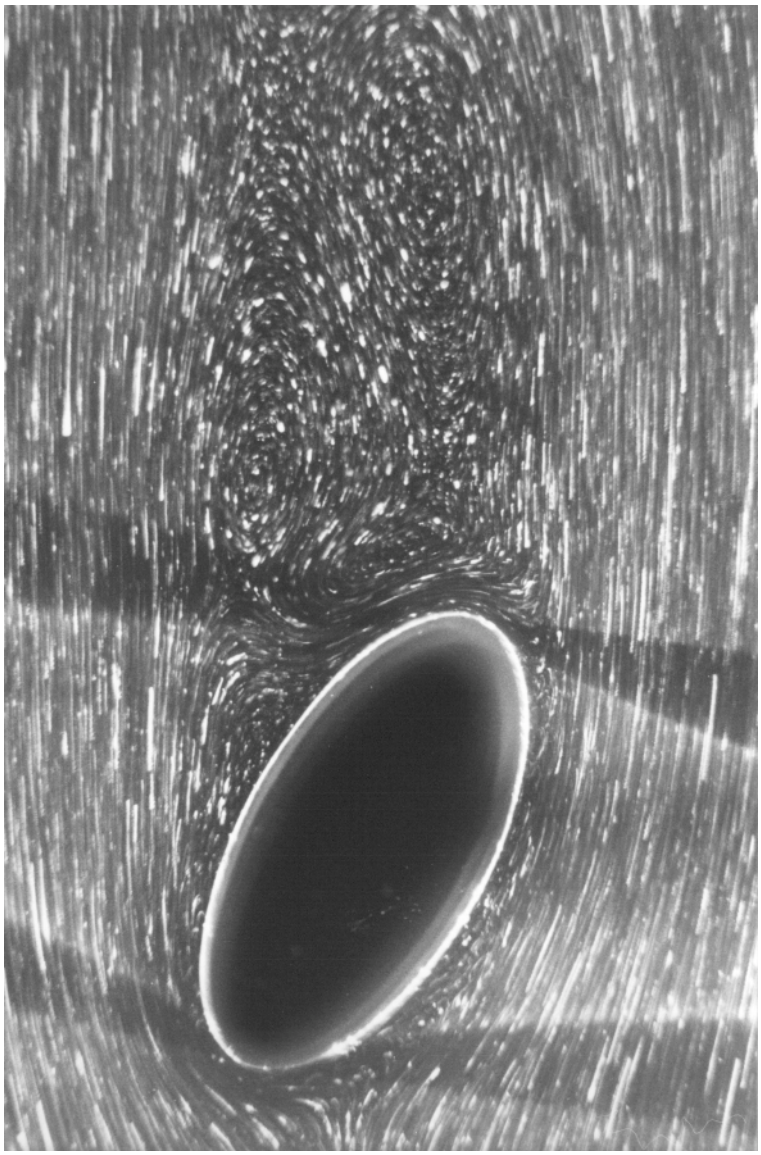

Image ID : ELLIP-38
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title :Streamline pattern around an elliptic cylinder in rotatory vibration
(when it takes the largest angle of incidence)
Notes : Static watertank experiment.
Streamline pattern visualized by suspending aluminum powder.
2:1elliptic cylinder. The major radius d = 3cm. R = 138.
Average angle of incidence is 0°. Amplitude of vibration is 30°. Frequency is 0.17Hz.
The rotating axis is the ellipse axis.

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Published in : 1977
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Elliptic cylinder, Separation