ET CETERA

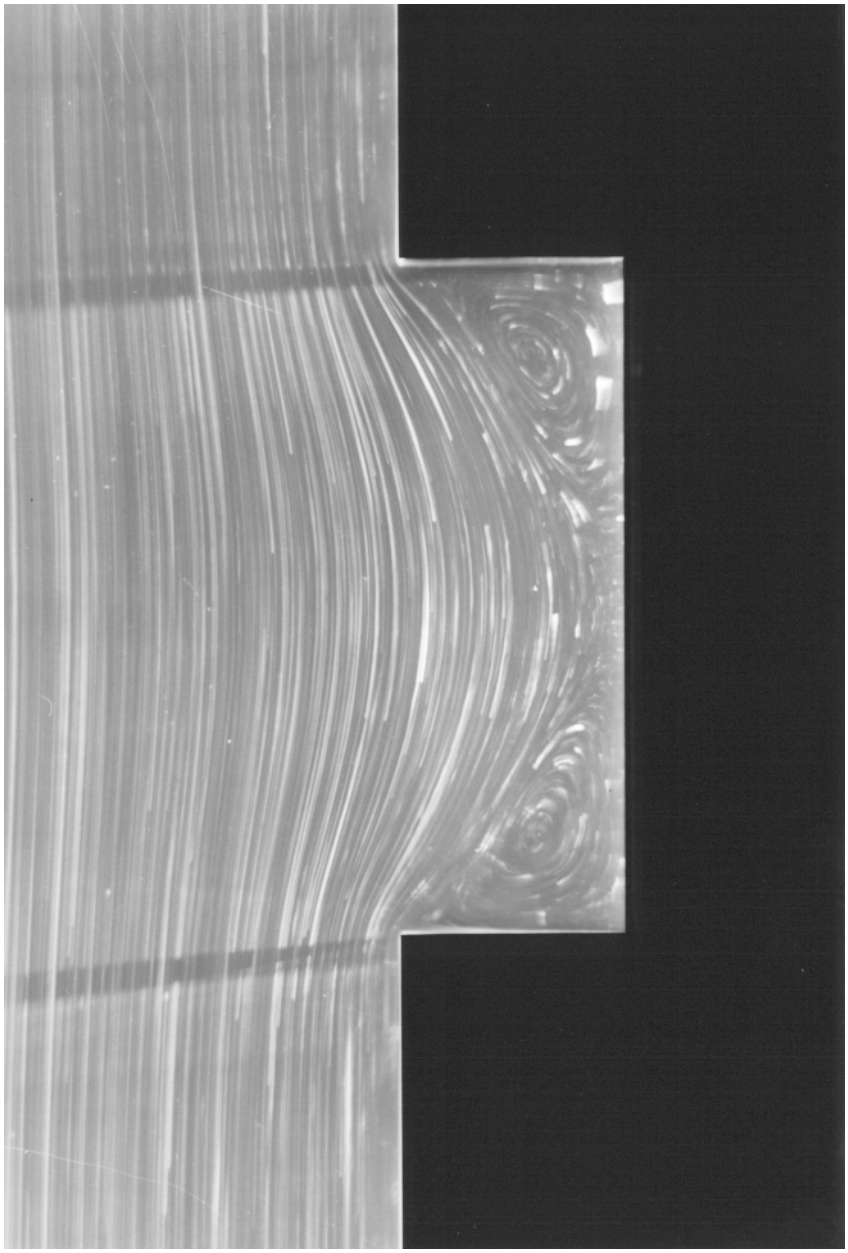

Image ID : CAVITY-1
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Flow past a cavity (b/h=3)
Notes : Glycerine aqueous solution.
Depth of the cavity h = 1cm width b = 3cm. R(based on the depth) = 0.01
Streamline pattern visualized by suspending aluminum powder.

Author : S. Taneda
Published in : 1979

Reproduced from: S.Taneda: J. Phys. Soc. Jpn, Vol.46, No.6 (1979) 1935.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Cavity, Spiral, Fore-and-aft symmetry

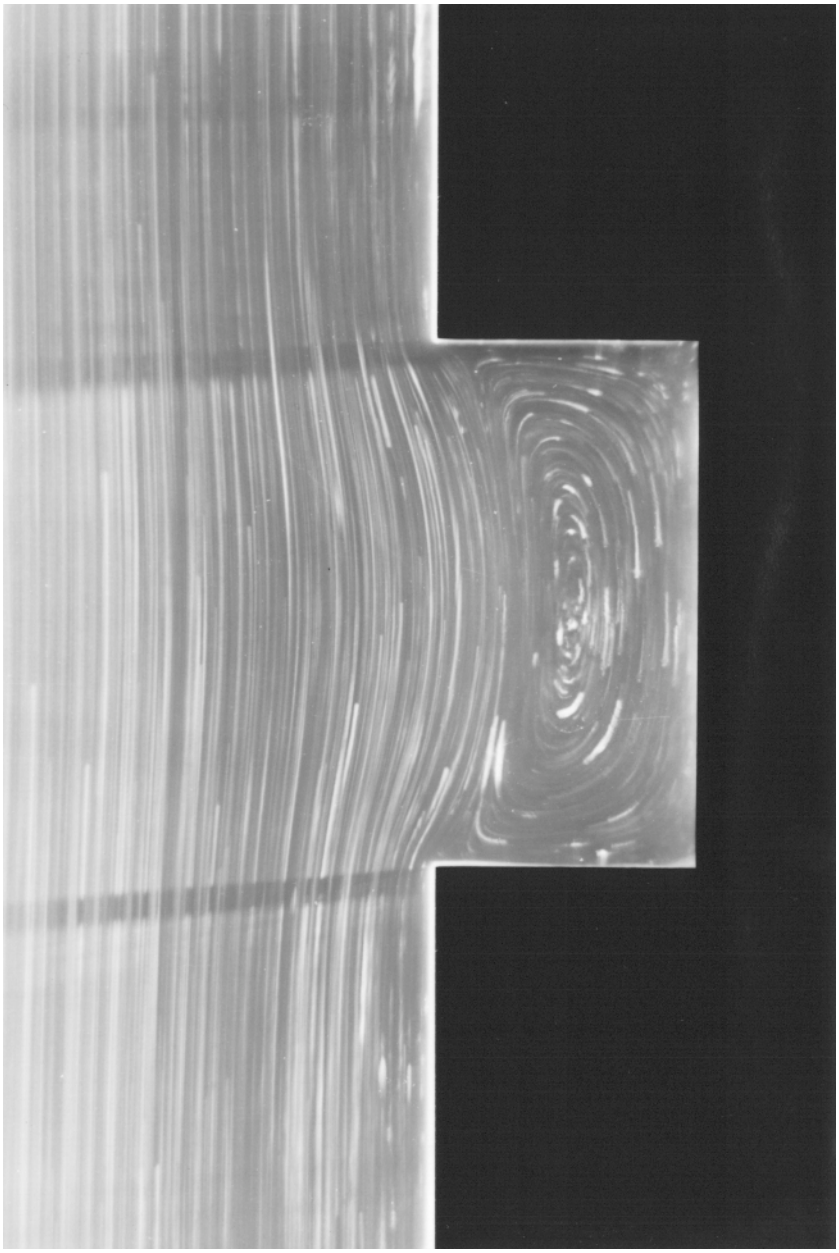

Image ID : CAVITY-2
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Flow past a cavity (b/h=2)
Notes : Glycerine aqueous solution.
Depth of the cavity h = 1cm width b = 2cm, R(based on the depth) = 0.01
Streamline pattern visualized by suspending aluminum powder.

Author : S. Taneda
Published in : 1979
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Cavity, Spiral, Fore-and-aft symmetry

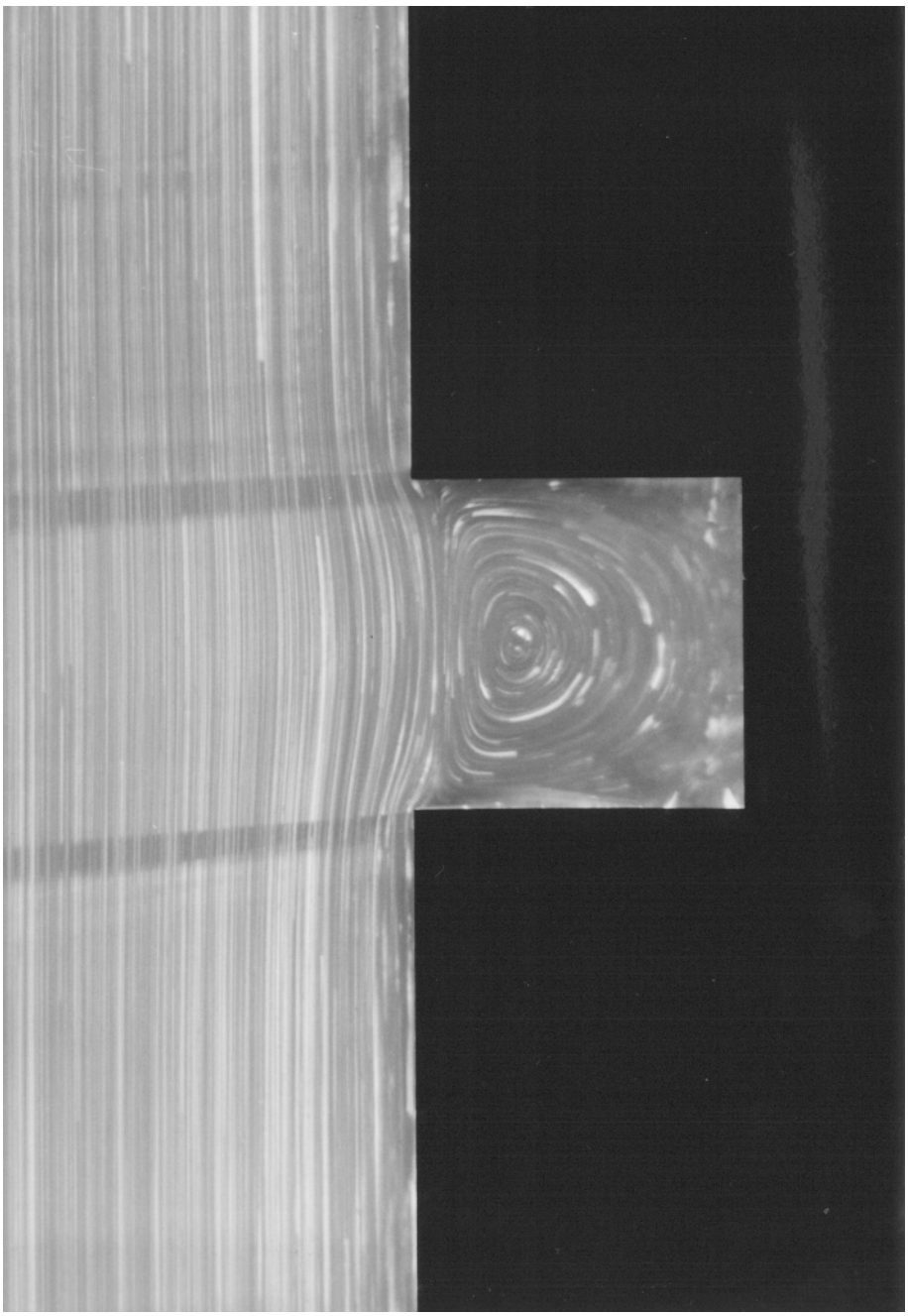

Image ID : CAVITY-3
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Flow past a cavity (b/h=1)
Notes : Glycerine aqueous solution.
Depth of the cavity h = 1cm width b = 1cm. R(based on the depth) = 0.01
Streamline pattern visualized by suspending aluminum powder.

Author : S. Taneda
Published in : 1979

Reproduced from: S.Taneda: J. Phys. Soc. Jpn, Vol.46, No.6 (1979) 1935.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Cavity, Spiral, Fore-and-aft symmetry

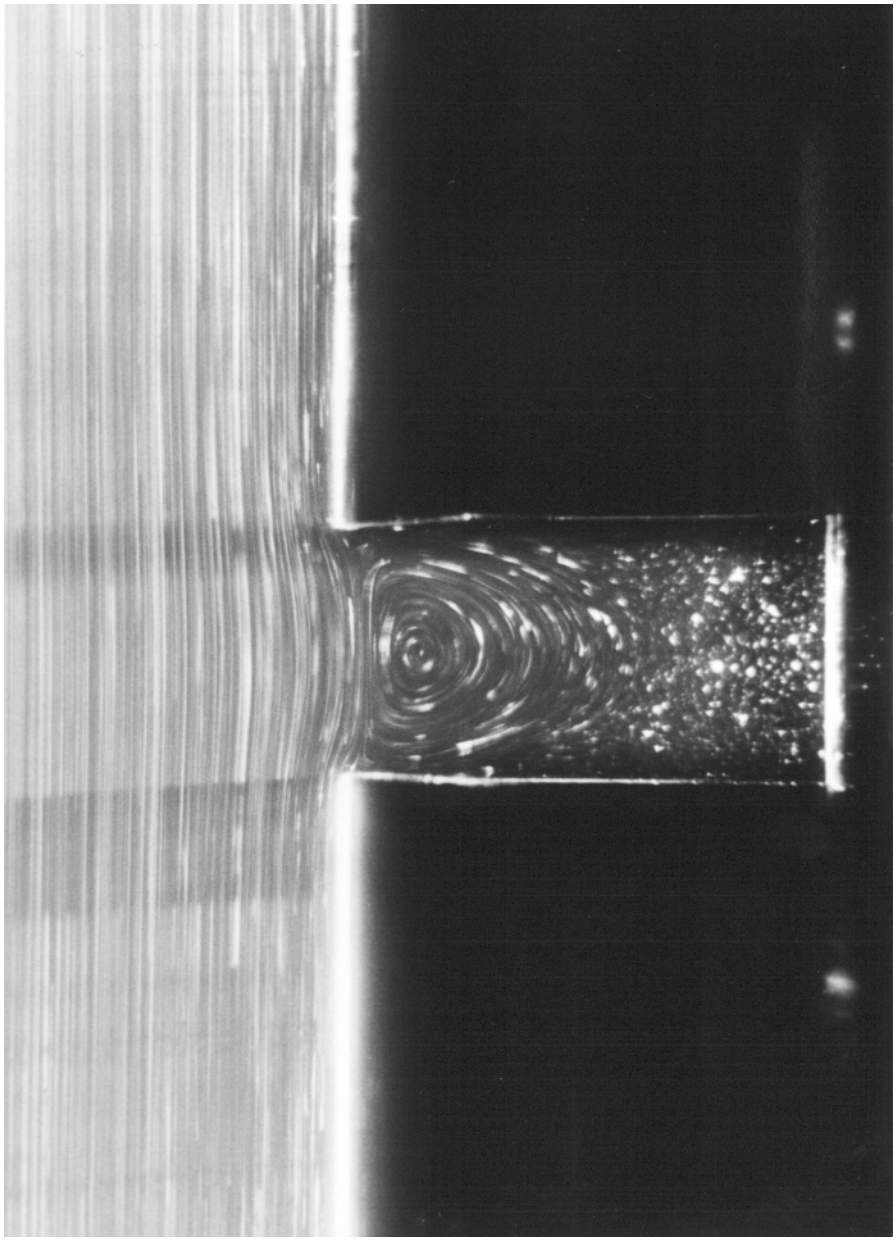

Image ID : CAVITY-4
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Flow past a cavity (b/h=0.5)
Notes : Glycerine aqueous solution.
Depth of the cavity h = 1cm width b = 5mm. R(based on the depth) = 0.01
Streamline pattern visualized by suspending aluminum powder.

Author : S. Taneda
Published in : 1979

Reproduced from: S.Taneda: J. Phys. Soc. Jpn, Vol.46, No.6 (1979) 1935.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Cavity, Spiral, Fore-and-aft symmetry

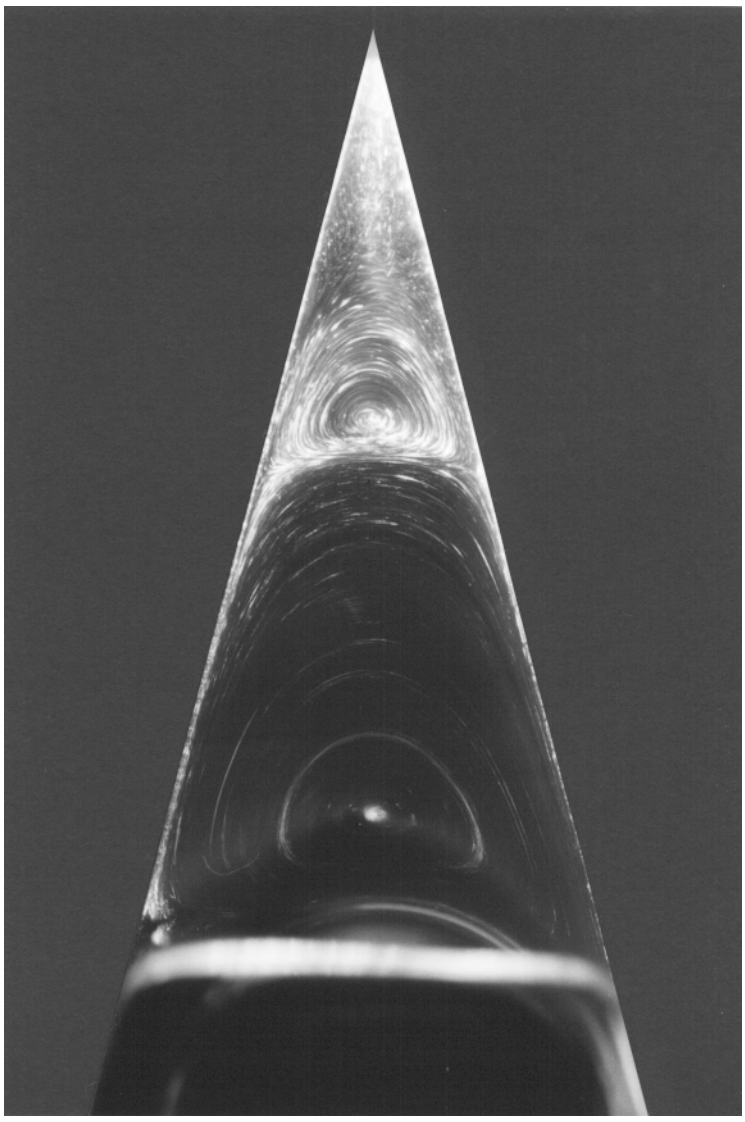

Image ID : CORNER
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Extremely low Reynolds number flow past a wedge corner (?/d = 0)
Notes : Sericone oil.
The depth of the fluid is 6cm.
The surface is driven by a rotating cylinder with diameter 22mm and rotating velocity 6.9mm.
Streamline pattern visualized by suspending aluminum powder.
Exposure time is 90 minutes.

Author : S. Taneda
Published in : 1979

Reproduced from: S.Taneda: J. Phys. Soc. Jpn, Vol.46, No.6 (1979) 1935.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Corner, Vortex street

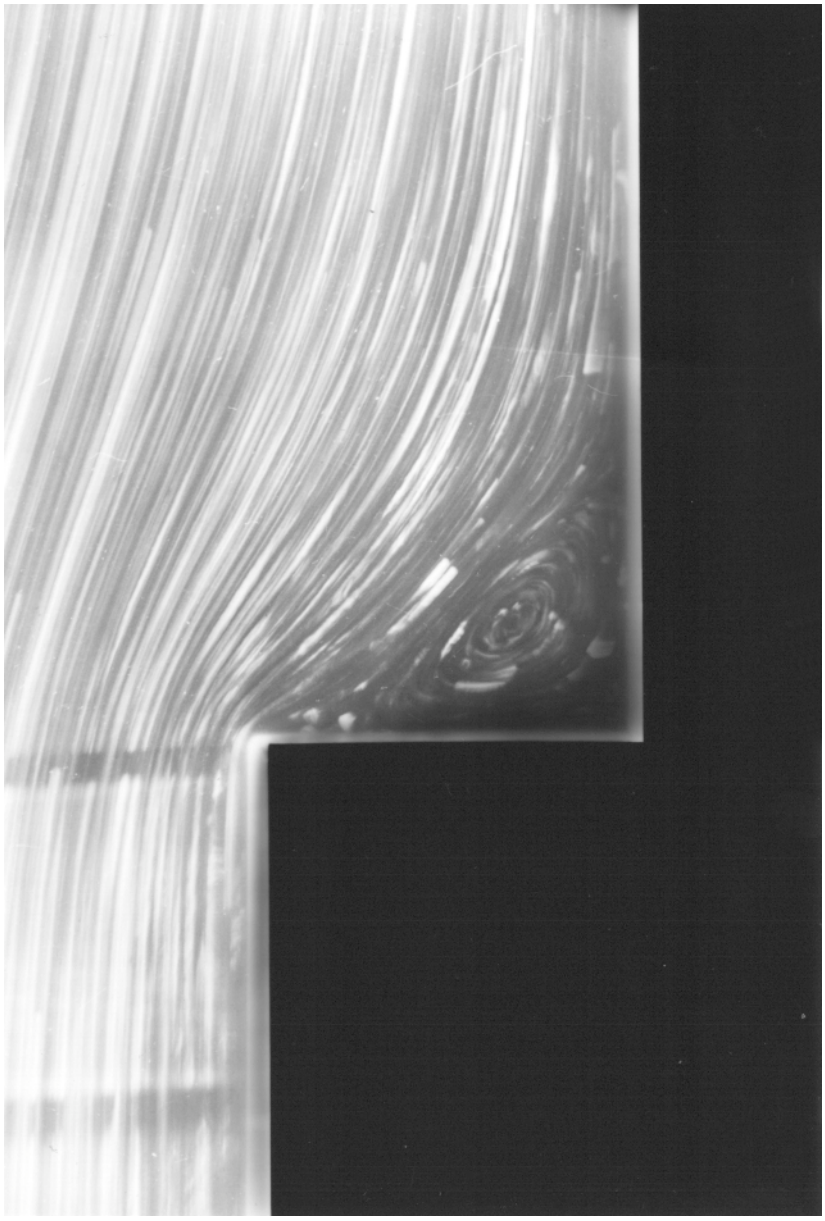

Image ID : STEP
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Extremely low Reynolds number flow past a step.
Notes : Glycerine.
Height of the step h = 1cm. R = 0.01.
Streamline pattern visualized by suspending aluminum powder.
If the flow direction is reversed, the streamline pattern does not change.

Author : S. Taneda
Published in : 1979

Reproduced from: S.Taneda: J. Phys. Soc. Jpn, Vol.46, No.6 (1979) 1935.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Step. Spiral

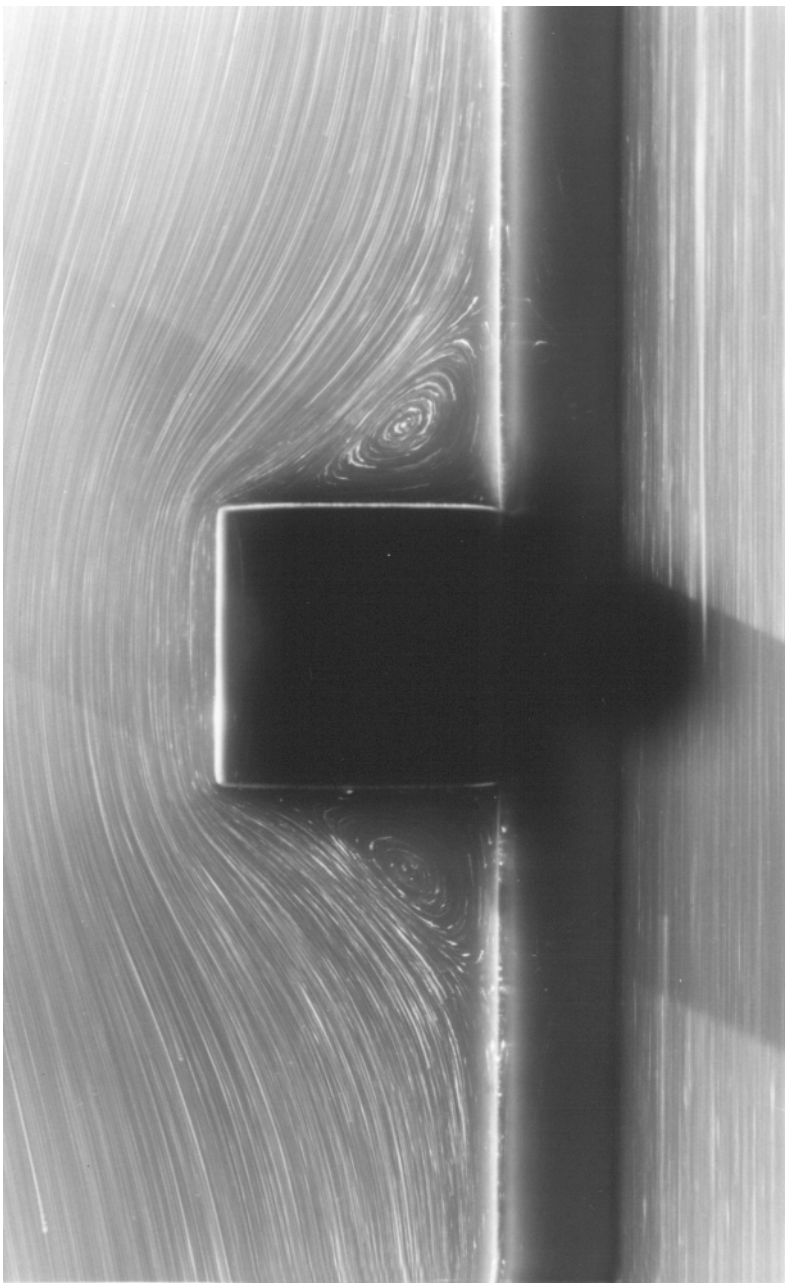

Image ID : SQUARE
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Extremely low speed flow past a square block on a flat plate.
Notes : Glycerine.
Side of the square is 1cm. R = 0.023.
Streamline pattern visualized by suspending glass beads.
The flow is fore-and-aft symmetry.

Author : S. Taneda
Published in : 1979
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Reproduced from: S.Taneda: J. Phys. Soc. Jpn, Vol.46, No.6 (1979) 1935.

Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Square post. Spiral. Fore-and-aft symmetry

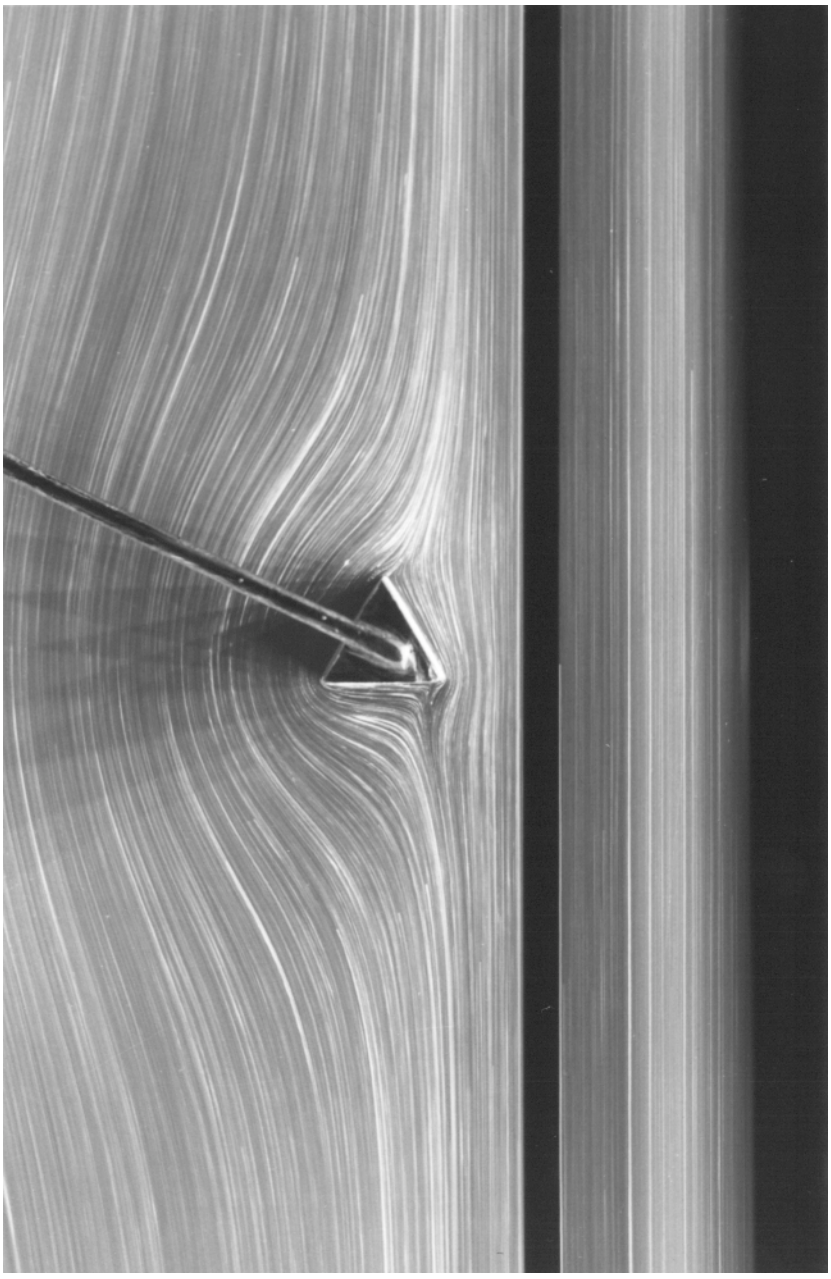

Image ID : TRIANGLE
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Extremely low Reynolds number flow around cylinder of regular triangle moving along a wall.
Notes : Glycerine.
Side of the triangle is 1cm.
Clearance between the cylinder and the wall is 5.6mm. R = 0.023.
Streamline pattern visualized by suspending aluminum powder.
Camera was fixed to the cylinder .

Author : S. Taneda
Published in : 1979
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Reproduced from: S. Taneda: J. Phys. Soc. Jpn, Vol.19, No.6 (1964) 1024.

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

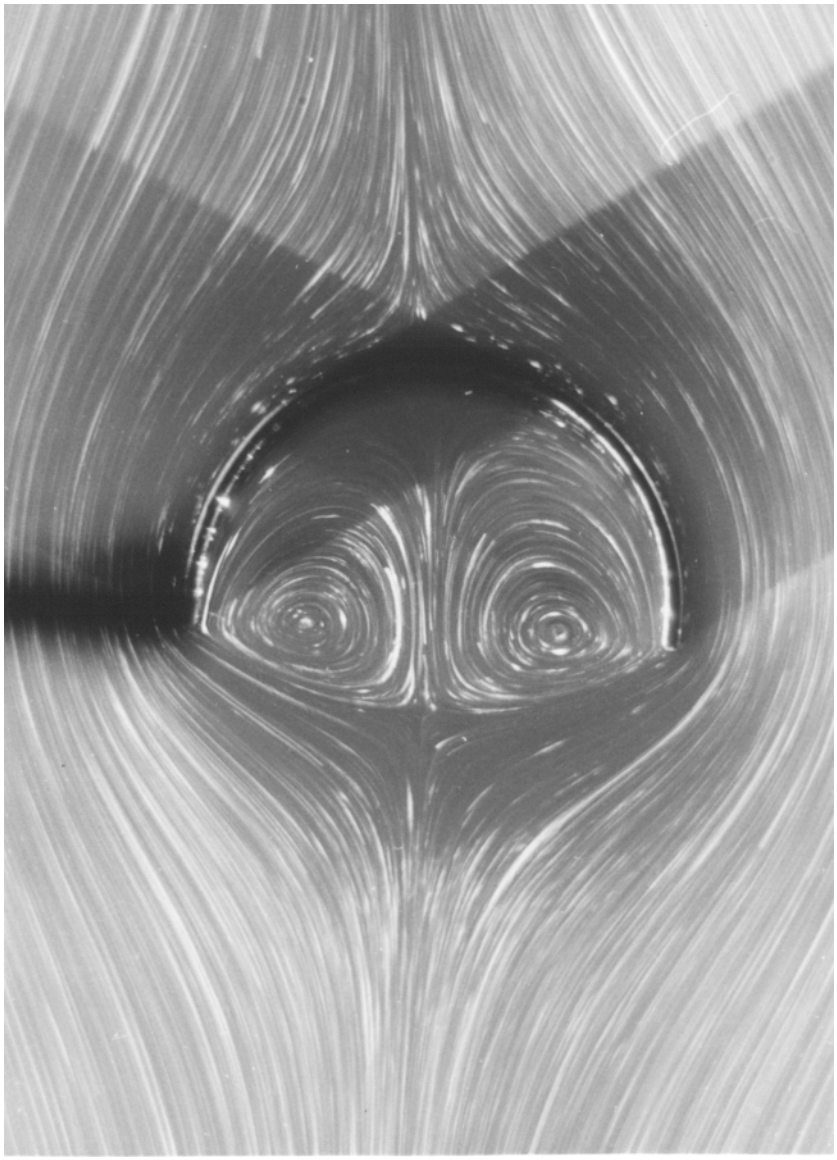

Image ID : ARC
Data Base Name : FLOW-VIS
Input by : S. Taneda
Input on y/m/d : 1998. 11. 25
Image Title : Extremely low Reynolds number flow past a half arc.
Notes : Glycerine.
Diameter of the two-dimensional half arc is 23mm. R = 0.031.
Streamline pattern visualized by suspending glass beads.
If the flow direction is reversed, the streamline pattern does not change.

Author : S. Taneda
Published in : 1979
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Research Field : Fluid dynamics
Expressed as : Tracer photograph, Streamline
Shape features : Half arc. Spiral