



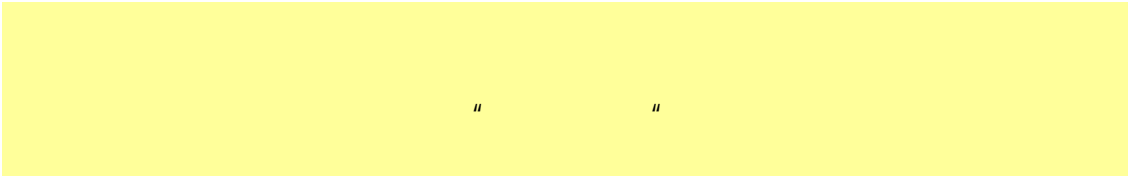
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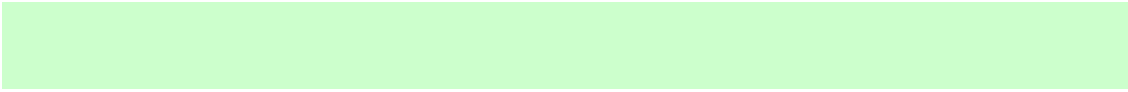
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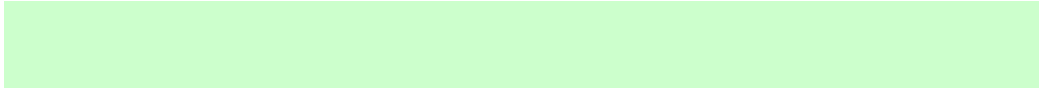
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- Small & Mini Hydropower System

BY : Jack J.Fritz, Mc Graw – Hill , .

- Hydropower Engineering , BY : c-c Warinck Prentice Hall, .



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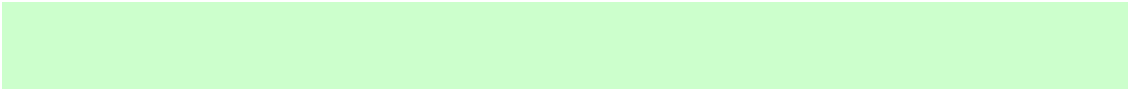
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- Introduction to Nuclear Engineering  
BY : J.R. LAMARSH.



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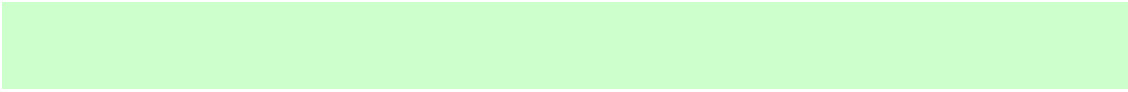
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- E.F. Obert, "Internal Combustion Engines & Air Pollution" <sup>rd</sup>.  
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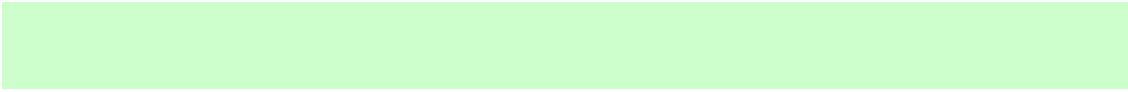
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- J.M. Beer & N.A Chigier, "Combustion Aerodynamics, " John Wiley & Son ,  
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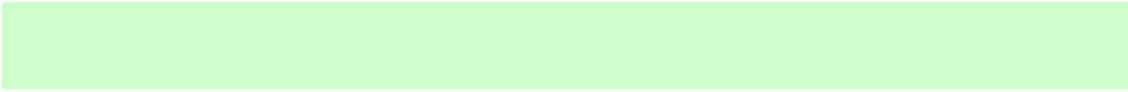
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- P.G. Hill and C.R Peterson , "Mechanics and Thermodynamics of Propulsion,"  
Addison- Wesley, Pub., <sup>rd</sup> Edition, .



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Max Well

Heisenberg —

Debye Einstein

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- Fundamentals of Statistical Thermodynamics,  
BY: Sonntag, Van Wylen.
- Principles of General Thermodynamics,  
BY: Hatsopoulos and Keenan.

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$(z, ), (r, t)$

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Laplace Trqns

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Galerkin

Ritz

Variational

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- Heat Conduction, BY: M.N. Ozisik.
- Conduction Heat Transfer, BY : V.S. Arpaci.
- Conduction of Heat in Solid, BY : H.S. Carslaw and J.C. Jaeger.
- Analytical Methods in Conduction Heat Transfer, BY : C.E. Myers.

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Scale Up

$$V_{\infty} = CX^m$$

Similarity

Similarity

Reynolds Analogy

H.FLUX

- Convection Heat Transfer BY : A. Bejan.
- Convection Heat and mass Transfer BY: Kays.
- Convection Heat Transfer BY: V.S. Arpaci
- Convective Heat Transfer, BY : L.C. Burmeister

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Monte Carlo

Specular Diffuse

Widiation

Spectral

Monte

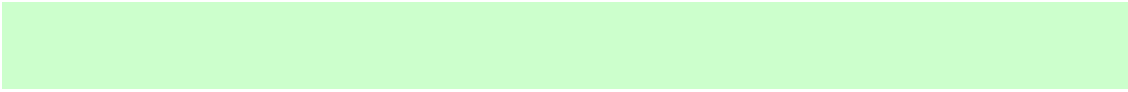
Spectral Equations

Enclosure

Carlo

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- Thermal Radiation Heat Transfer, BY : R.Siegel & J. Howell.
- Radiative Transfer, BY :H.C. Hottel.
- Radiation Heat Transfer. BY :E.M Sparrow, and R.D. Cess.



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- Boilers : By Carl D, Shields.

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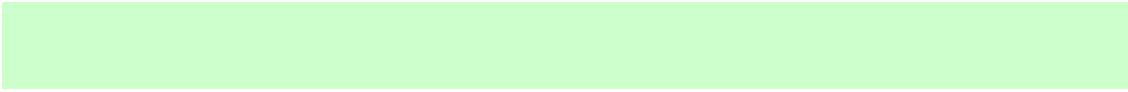
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- Centrifugal and Axial Flow Pumps,  
STRPHANOFF  
JOHN Wiley and Sons.
- Axial Flow Compressors and Axial Flow  
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ROBERT E. KRIEGER  
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- Fluid Mechanicsof Turbomachinery  
G.F. WISLICENUS  
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NEWYORK.
  
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TURBOMACHINERY  
D. WILSON  
M.I.T PRESS.
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o.E BALJE.
- Principles of Turbomachinery  
SHEPHERD  
MACMILLAN.



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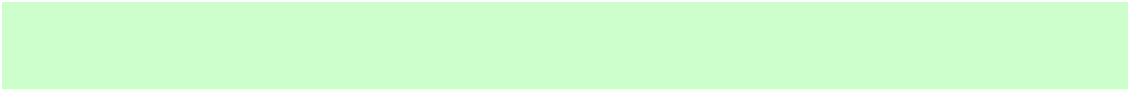
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- Pess Heat Exchange By Vincent Cavaseno



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- DIRECT ENERGY CONVERSION , S..L S.PRENTICE- HALL

- DIRECT ENERGY CONVERSION, by G.W- SUTTON. MC GRAW- HILL

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- "Mechanics of Fluids" I.H. Shames.
- "Fluid Dynamics" G.K. Batchelor.
- "Boundary- Layer Theory" .H.Schlichting.
- "Applied Hydrodynamics", H.R. Vallentine.
- "Afirst Course in Fluid Dynamics", A.R.Paterson.
- "Viscos Fluid Flow", F.M.White.
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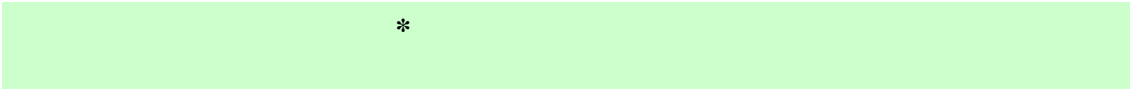
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- "Viscos Fluid Flow", F.M.White.

- "Boundary- Layer Theory", Schlichting.
- "Fluid Dynamics" G.K. Batchelor.



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(Adiabatic)

(Isentropic )

( Fanno Line )

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(Shock Waves )

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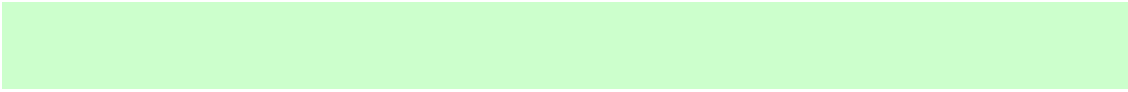
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- Shairo, A, "Dynamics & Thermodynamics of compressible flow", vol. John Wiley & sons.



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(DIFFUSIVITY)

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(DECAY)

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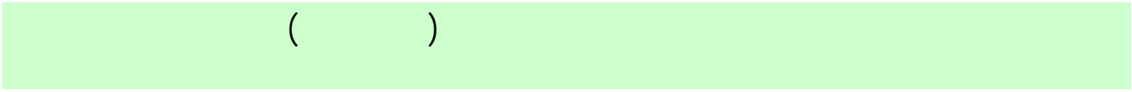
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- Hinze Turbulence.
- Bradshaw Turbulence and its measurements.
- Smith and Bradshaw Turbulence Boundary Layer.
- Launder and Spalding Mathematical Models of Turbulence.
- Schlichting "Boundary Layer theory" .
- First Course in Turbulence (MIT Press).



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- advanced cryogenics c.a, by balley. Plenum press. .



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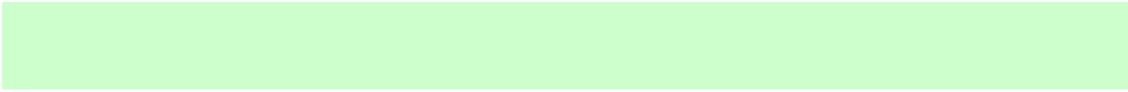
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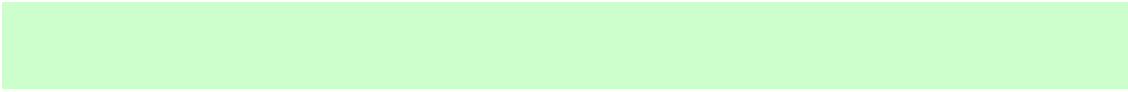
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(Noise Pollution )

Pollution Control, BY : Williamson.

Ise Pollution Hand book.



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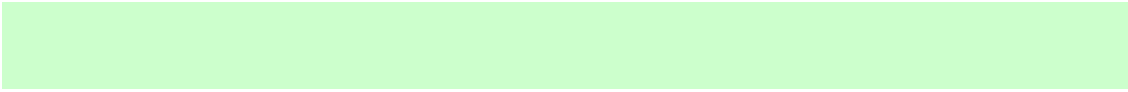
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Ess Control , P.Harriott.

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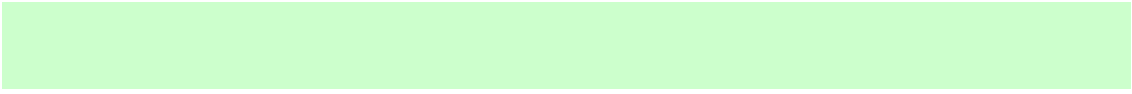
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- Measurement systems, Application & Design E.O. Doebelin.
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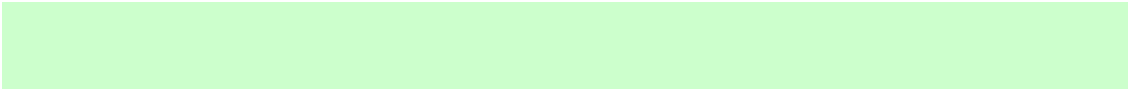


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(Passive Heating )

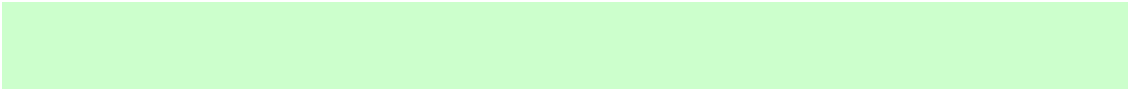
(Active Heating )

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Solar Engineering of Thermal Processes.

BY : J.A.Duffie and W.A. Beckman.

John Wilye and Sons.



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