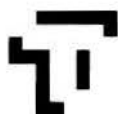

Additional tables for the hydraulic design of pipes, sewers and channels

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Contents

INTRODUCTION	1
The Wallingford Charts and the Wallingford Tables	
The Additional Tables	
REVIEW OF HYDRAULIC RESISTANCE	1
The Colebrook-White equation	
Simplified forms of the Colebrook-White equation	
Tables of Colebrook-White solutions (tables WT1-WT33 and A34-A48)	
The linear measure of surface roughness	
DESIGN OF CIRCULAR SECTION PIPELINES AND SEWERS	7
Use of the Tables	
Interpolation between entries	
Tables of proportioning exponents (Table sequence B)	
Solution using proportioning exponents	
Multiplying factors on tabulated discharges for standard but non-tabulated diameters	
Perimeters involving dissimilar roughness	
NON-CIRCULAR CROSS-SECTIONS OF FLOW	11
Calculation of discharge and velocity in part-full circular pipes	
Calculation of depth in part-full circular pipes	
Hydraulic equivalence	
'Unit size' measures for shapes of conduits and channels	
Tables of properties of unit sections (Table sequence C)	
Finding discharge in a rectangular open channel	
SOLUTIONS FOR EGG-SHAPE SEWER	16
Finding (i) discharge, or (ii) gradient, or (iii) size where proportional depth is stipulated	
Finding depth of flow in a conduit of specified boundary shape and size, with discharge, gradient and roughness size fixed	
SOLUTIONS FOR TRAPEZOIDAL OPEN CHANNEL	18
OTHER SOURCES OF RESISTANCE	20
CHECKS ON MEAN VELOCITY, REYNOLDS NUMBER AND FROUDE NUMBER	21
VISCOSITIES OTHER THAN THAT OF WATER AT 15°C	21
THE MANNING EQUATION	22
Arrangement in terms of equivalent diameter	
Parallel solutions of key examples	
CRITICAL DEPTH AND CRITICAL DISCHARGE	23
GRADUALLY VARIED FLOW IN PRISMATIC CHANNELS	
Solution for gradually varied flow in a trapezoidal channel	24

References

Nomenclature

Tables within text

Table 1: Overall solution paths for uniform flow problems

Table 2: Values of multiplying factor for SU Colebrook-White equations

Table 3: Predictions of proportional depth in Form 1 egg-shape with range of extreme combinations of conditions

Table 4: Computation of M1 flow profile in trapezoidal channel

Figures within text

Fig. 1: Colebrook-White equation and direct solution approximations

Fig. 2: Solution of Colebrook-White equation in simplified usage mode (SU)

Fig. 3: Solution routes for uniform flow in non-circular cross-sections

Appendix 1: Recommended roughness values

Appendix 2: Typical values of Manning roughness coefficient n

Appendix 3: Velocity correction for variation in temperature

Appendix 4: Multiplying factors for discharges in pipes and lined tunnels

Table sequence A

Tables of Colebrook-White solutions

Diameters 2.400 m to 20.00 m

Table A34: $k_s = 0.015$ mm

Table A35: $k_s = 0.030$ mm

Table A36: $k_s = 0.060$ mm

Table A37: $k_s = 0.150$ mm

Table A38: $k_s = 0.30$ mm

Table A39: $k_s = 0.60$ mm

Table A40: $k_s = 1.50$ mm

Table A41: $k_s = 3.00$ mm

Table A42: $k_s = 6.00$ mm

Table A43: $k_s = 15.0$ mm

Table A44: $k_s = 30.0$ mm

Table A45: $k_s = 60.0$ mm

Table A46: $k_s = 150$ mm

Table A47: $k_s = 300$ mm

Table A48: $k_s = 600$ mm

Table sequence B

Values of proportioning exponents in equations (8), (9) and (10)

Table B1: Values of exponent x

Table B2: Values of exponent y