$ID := 0.1971\ m$

$MixVel$ $\left(\frac{m}{s}\right)$	$MixVisc$ $\left(\frac{kg}{m \cdot s}\right)$	$MixDens$ $\left(\frac{kg}{m^3}\right)$
27.01	0.0000307	58.95
26.09	0.0000402	55.85
29.2	0.0000326	44.62
29.28	0.000027	39.43
29.34	0.0000235	36.31
29.34	0.0000212	33.47
29.11	0.0000183	32.26
34.93	0.0000167	26.25
34.9	0.000016	25.65
33.4	0.000016	26.43
33.4	0.000016	26.43

$$Re1 := \frac{27.01 \cdot 58.95 \cdot 0.1971}{0.0000307}$$

$$Re1 = 1.022 \cdot 10^7$$

$$i := 0 \,..\, \mathrm{rows}(MixVel) - 1$$

$$Re_i := \frac{MixVel_i \cdot MixDens_i \cdot ID}{MixVisc_i} = ?$$

$$Re := \frac{\overrightarrow{MixVel \cdot MixDens \cdot ID}}{MixVisc} = \begin{bmatrix} 1.022 \cdot 10^7 \\ 7.144 \cdot 10^6 \\ 7.877 \cdot 10^6 \\ 8.428 \cdot 10^6 \\ 8.935 \cdot 10^6 \\ 9.13 \cdot 10^6 \\ 1.011 \cdot 10^7 \\ 1.082 \cdot 10^7 \\ 1.103 \cdot 10^7 \\ 1.087 \cdot 10^7 \\ 1.087 \cdot 10^7 \end{bmatrix}$$