Discrepancy ratio:

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| h (m) | flow depth |
| K (m2/s) | longitudinal dispersion coefficient |
| R (m) | hydraulic radius |
| S | Slope of energy gradient or bed slope |
| U (m/s) | cross-sectional average velocity |
| U\* (m/s) | shear velocity |
| W (m) | channel width |
| C (mg/L) | cross-sectional average concentration |
| A (m2) | flow cross-sectional area |
| x (m) | longitudinal coordinate |