

# LAGRANGIAN FLUID DYNAMICS

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## ERRATA

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p21-p24 Note: the summation convention does not apply if an index is on an argument of a function, and the index is repeated on the function itself. The convention is unsuited to this section, and is not used in it.

p64 Line 2: energy equation (3.14)...

p157 The solution of (11.23), (11.24) and (11.35) for  $D = 2$  is

$$P(f, s|r, t) = (2\pi f^2)^{-1} (4\pi\sigma)^{-1/2} \exp\left(-\frac{(L+2\sigma)^2}{4\sigma}\right)$$

which is proportional to the log-normal distribution (11.36). The factors of proportionality are the normalization  $2\pi f$ , and  $f/r$  which is the ratio of the values, at times  $s$  and  $t$ , of the Jacobian of the log transformation  $L = \ln(r/f)$ .

p276 Index entry: integral/quadratic form