

**Corrections/Comments re. “Semigroups of Linear
Operators etc” - by D.Applebaum**

p.2, +12 $t \geq 0$ should read $s, t \geq 0$

p.104, U in section 2.3 has here been replaced by Ω .

p.112, -7 The vectors ψ_1 and ψ_2 should be orthogonal.

p.114, +13 In fact Gleason’s theorem requires $\dim(\mathcal{H}) \geq 3$ and classifies a different notion of state, which is effectively a probability measure defined on the lattice of projections in \mathcal{H} . I don’t think the result as stated is true in general, but if we require our state on $\mathcal{L}(\mathcal{H})$ to be *normal*, then it is a mixed state. For the definition of normal state and the proof, see [19] p. 76.

p.130. Eqn (7.1.3) only needs to hold a.s. (i.e. almost surely).

p.130, -10 Strictly speaking we should take a regular version of the conditional probability here. To ensure existence of such, we can assume that S is locally compact, Hausdorff and also second countable.

p.143, -10 Typo: $f(n)$ should be $f(x_n)$.

p.145, + 3 The martingale property only needs to hold a.s. See also p.203 +7 and -7.

p.152, -11 (iv) is redundant. It follows from (i) and modified (ii), as on p.91, -9.

pp.201-2 Properties (CE1), (CE2), (CE3), (CE4), (CE6), (CE7) and (CE8) need only hold a.s.