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On some translation invariant balayage spaces

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Abstract: It is well known that strong Feller semigroups generate balayage spaces provided the set of their excessive functions contains sufficiently many elements. In this note, we give explicit examples of strong Feller semigroups which do generate balayage spaces. Further we want to point out the role of the generator of the semigroup in the related potential theory.

Keywords: balayage spaces, strong Feller semigroups, non-local potential theory

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