

The integral Cauchy formula on symmetric Stein manifolds**Simon Gindikin**

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Abstract : Many years ago I learnt from Gennadi Henkin that each time when you have a Cauchy formula you can add something substantial to the picture obtained by other tools. Not long time ago I found one more confirmation of this observation. It turns out that there is a Cauchy integral formula on complex semi-simple Lie groups and, more general, on symmetric Stein manifolds which gives interesting new facts in harmonic analysis on them.