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On the existence of a σ -closed dense subset

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Abstract: It is consistent with the axioms of set theory that there are two co-dense partial orders, one of them σ -closed and the other one without a σ -closed dense subset.

 ${\bf Keywords:}\ {\bf forcing},\ {\bf sigma-closed}\ {\bf dense}\ {\bf subset}$

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References

- [1] Foreman M., Games played on Boolean algebras, J. Symbolic Logic 48 (1983), 714–723.
- [2] Jech T., Set Theory, Academic Press, San Diego, 1978.
- [3] Jech T., Shelah S., On countably closed complete boolean algebras, J. Symbolic Logic 61 (1996), 1380–1386, math.LO/9502203.
- [4] Shelah S., Proper and Improper Forcing, second edition, Springer, New York, 1998.
- [5] Vojtáš P., Game properties of Boolean algebras, Comment. Math. Univ. Carolin. 24 (1983), 349-369.