

## **abstract**

GEOMETRIC PDE SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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We construct new solutions to the  $\sigma_k$ -Yamabe problem on compact manifolds by considering the connected sum of two nondegenerate solutions  $(M^{n_1, g_1})$  and  $(M^{n_2, g_2})$ , for any  $2 \leq 2k < n$ .