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Gromov-Lawson-Schoen-Yau theory and isoparametric foliations

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Motivated by the celebrated Gromov-Lawson-Schoen-Yau surgery the- ory on metrics of positive scalar curvature, the present paper constructs a double manifold associated with a minimal isoparametric hypersurface in the unit sphere. The resulting double manifold carries a metric of positive scalar curvature and an isoparametric foliation as well.

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