Isotropic 3D f-wave topological Cooper pairing WANG YANG, Univ
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California - San Diego — We generalize the 3D isotropic p-wave spin triplet Cooper
pairing state of the ^{3}He-B type into even high orbital partial-wave channels with
large-spin fermions. In the spin-3/2 case, the f-orbital partial wave channel can
support a spin-septet pairing yielding a fully gapped rotationally invariant pairing
structure. Its topological properties are analyzed through the calculation of the
gapless surface spectra.

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