

Framed- and Biframed Knotoids

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In this talk I will recall the definition of a spherical knotoid and modify this definition to include a framing, in analogy to framed knots. I also define a further modification that includes a secondary 'coframing' to obtain 'biframed' knotoids. Afterwards I will give topological spaces whose ambient isotopy classes are in one-to-one correspondence with framed- and biframed knotoids respectively. Finally I will mention how biframed knotoids allow for the construction of quantum invariants.