

1023-N1-1387 **Kenneth Manders*** (mandersk@pitt.edu), Philosophy, 1001 CL, University of Pittsburgh,
Pittsburgh, PA 15260. *Representations in Knot Classification*.

We sketch roles and characteristics of basic representations in the knot classification program. Based on this, we argue (i) that the challenge is as much that of finding suitably behaved representations as that of proving theorems, and (ii) that the intellectual unity of the project resides not in the nature of the objects of study but in the intellectual motivating theme (knottedness types).

Both of these go against standard presumptions in the philosophy of mathematics. (Received September 25, 2006)