

1135-A5-1883 **sarah-marie belcastro*** (smbelcas@toroidalsnark.net). *Does Inclusivity Matter in Mathematical Practice?*

Many in the mathematical community believe that it is important to welcome participation from people with a variety of backgrounds and in particular from members of underrepresented groups. From a philosophical point of view, inclusivity is a broader concept than welcoming a diversity of human experience; for example, it includes welcoming a variety of mathematical perspectives (epistemic diversity).

Are there implications of encouraging inclusivity for the production of mathematical knowledge, and if so, what are they? And are they positive or negative? Conversely, are there implications of our mathematical practices, in terms of producing knowledge (theorems, proofs, etc.), on inclusivity?

We will carefully describe inclusivity as framed in the literature on scientific values, and restrict our discussion to epistemic values, and then to mathematical epistemic values. We will then examine what impacts the epistemic value(s) of inclusivity may have on mathematical practices, and what impacts current mathematical practices may have on inclusivity, and include specific examples. Finally, we will pose changes/actions that individuals or the community might make/take, in accordance with common mathematical values, and evaluate their impact relative to inclusivity. (Received September 25, 2017)