

ARTFORUM

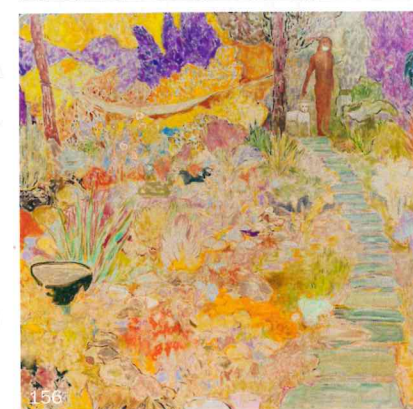
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From top: Charles Atlas, *Hail the New Puritan*, 1986, 16 mm transferred to video, color, sound, 84 minutes 54 seconds. Foreground: Michael Clark, Nash Glynn, *Self Portrait with One Foot Forward and One Hand Reaching Out (detail)*, 2020, acrylic on canvas, 48 x 36". Deborah Remington, *Tacony*, 1971, oil on linen, 56 1/4 x 50". Hayley Barker, *Front Yard at Dusk with Visitor (detail)*, 2020, oil on linen, 82 x 100".

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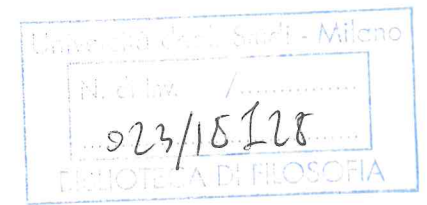
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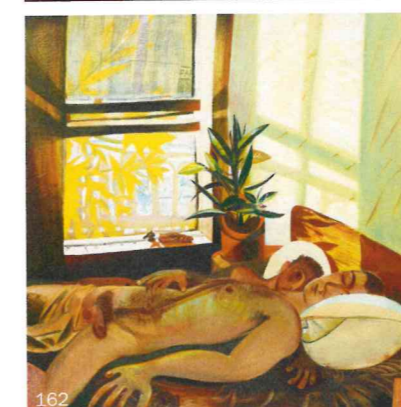
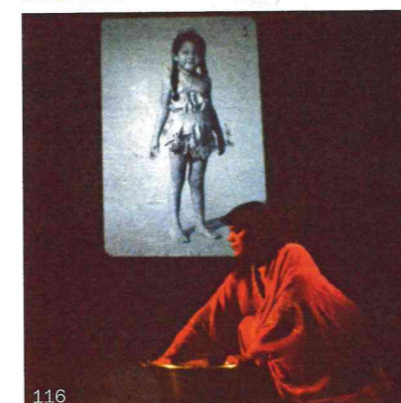
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From top: Pauline Boty posing with her painting *Cella Birtwell Surrounded by her Heroes*, 1963, October 29, 1963. Photo: Michael Ward. Joan Mitchell, *Evenings on 73rd Street* (detail), ca. 1957, oil on canvas, 75 x 85". Lorraine O'Grady, *Nefertiti/Devonia Evangeline*, 1980. Performance view, location and date unknown. Lorraine O'Grady. Photo: Freda Leinwand. Louis Fratino, *Waking up first, hard morning light* (detail), 2020, oil on canvas, 90 x 70".

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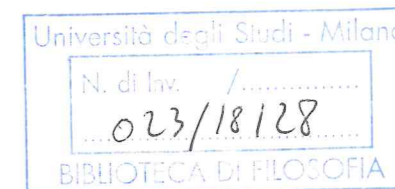
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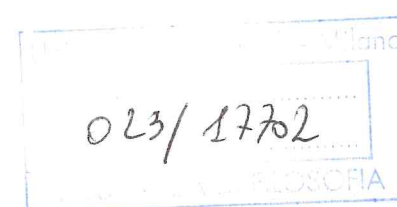
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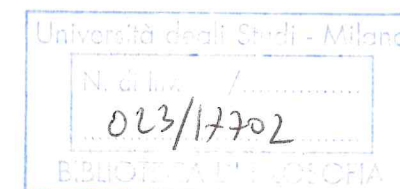
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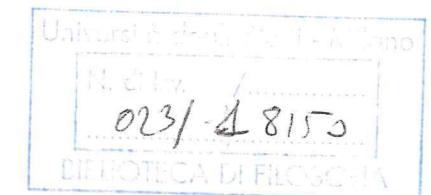
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Through the Fractured Looking Glass

Sandra D. Mitchell*†

I argue that diversity and pluralism are valuable not just for science but for philosophy of science. Given the partiality and perspectivism of representation, pluralism preserving integration can increase accuracy. Perspectivism is often supported by appeal to visual representation. I draw further insights from multimodal sensory integration for understanding experiment-based predictions of protein structure. The epistemic lessons learned from the scientific case also apply to philosophy of science itself. Finally, I suggest that a critical, nuanced philosophical view of legitimate sources of pluralism in science has an important role to play in public discourse.

Introduction. The theme of my address is that diversity and pluralism in science are not just ethically and politically valuable, but they are required for science to be epistemically effective. Moreover, there are lessons I will draw from these arguments for best practices for philosophers of science. There are many studies of the importance of increasing the diversity of our social institutions. Providing opportunities for previously underrepresented members of the population to participate more fully in scientific, academic, and other forms of social life meets the demands of fairness and equal opportunity. Multiple forms of diversity also constitute an epistemic good. Integrating multiple scientific perspectives does not merely help us know more,

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†This article is a revised version of the presidential address I delivered at the PSA 2018 biennial meeting in Seattle, Washington. The presented version can be viewed at <https://spark.adobe.com/page/AiXfAUmLTaEbb/>. It takes the contributions of many to ensure a successful meeting and an effective organization. I want to thank PSA 2018 program chairs Kevin Elliott and Doreen Fraser and the members of the PSA Governing Board, PSA committees, and PSA members for their commitment and skill at navigating the complexities and coordination problems involved. I especially want to thank our extraordinary executive director, Jessica Pfeifer, for her wise and inspired leadership.

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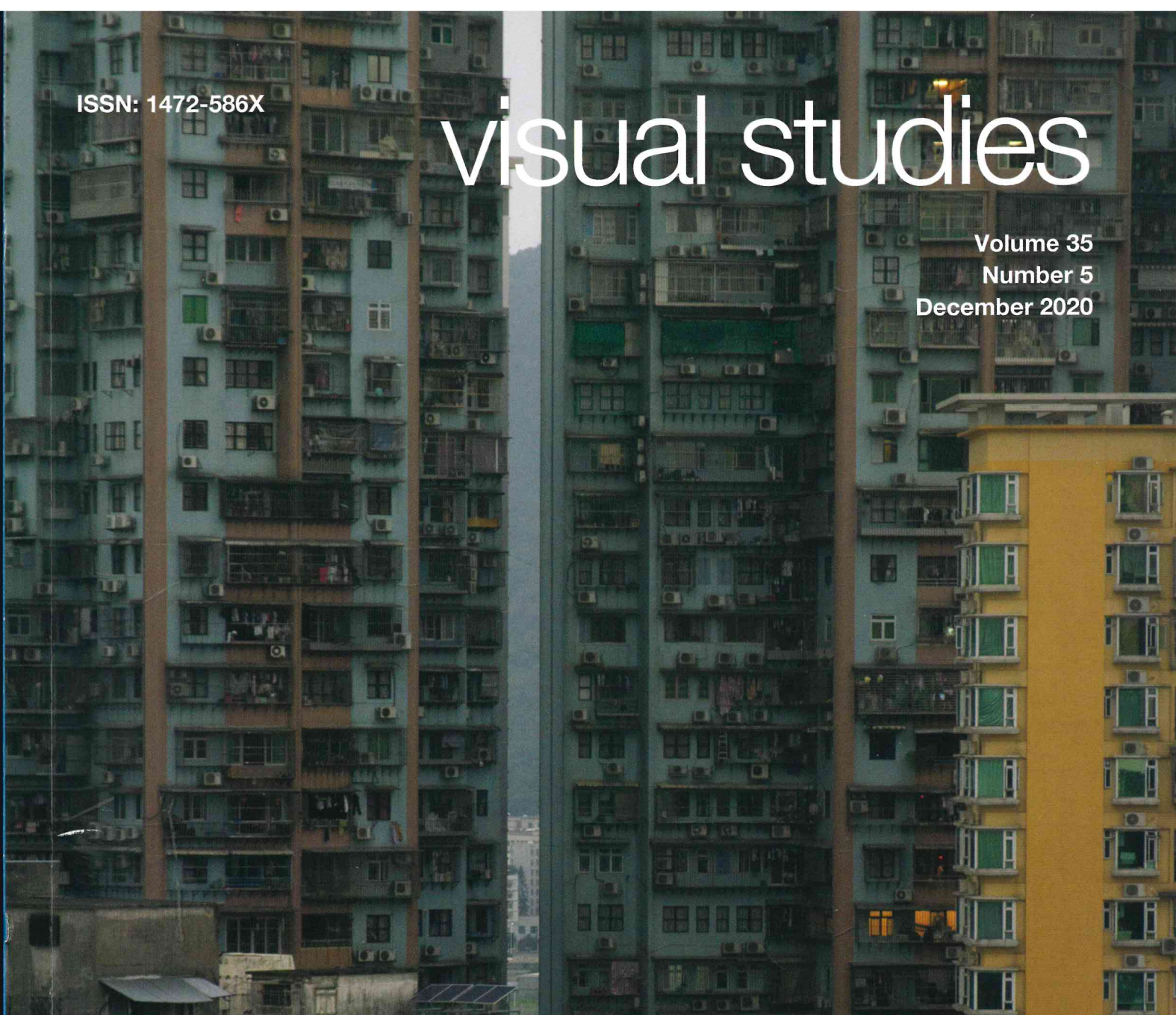
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