

The **Neurodivergent Scale for Interacting with Robots (NSIR)** can be applied to the Ostrowski et al. paper as an empirical framework to measure the user-perceived outcomes of the ethical, equitable, and just design principles advocated by the authors.

The paper discusses the need for a "proactive, ethics-driven, and equitable design framework" in human-robot interaction (HRI), particularly for marginalized communities. The NSIR provides the metrics to ensure these principles are successfully realized from the perspective of a neurodivergent user:

### **Anthropomorphic Connection/Kinship**

- The paper addresses the ethics of design choices that might reinforce stereotypes or prevent certain users from connecting with a robot.
- The NSIR items like "**The robot is more like me than anyone else I know**" and "**I gave my robot a name**" can measure if the robot's design promotes an equitable and inclusive sense of connection, avoiding biases that might exclude some neurodivergent individuals.

### **Social Comfort/Trust**

- The authors emphasize the importance of "justice-focused HRI," which inherently includes the development of appropriate trust and the prevention of harm.
- The NSIR items in this dimension (e.g., "**My robot can tell what I am feeling, when I am sad, it can tell I am sad**") can assess if the robot's social interactions, designed with equity in mind, translate into a genuine feeling of **social comfort** and **trust** for the user.

### **Safety**

- "Ethics" and "justice" in design demand that the user is physically and psychologically safe.
- The NSIR's **safety** dimension (e.g., the item about undressing) provides a critical, user-reported measure that directly aligns with the paper's core ethical imperative to ensure no harm is done and that all interactions are fundamentally safe.

The NSIR translates the high-level ethical and theoretical discussions of the Ostrowski et al. paper into concrete, measurable user data points.

Would you like to explore another article from the document, or maybe compare the **design justice** approach to the **ethics-driven** framework?