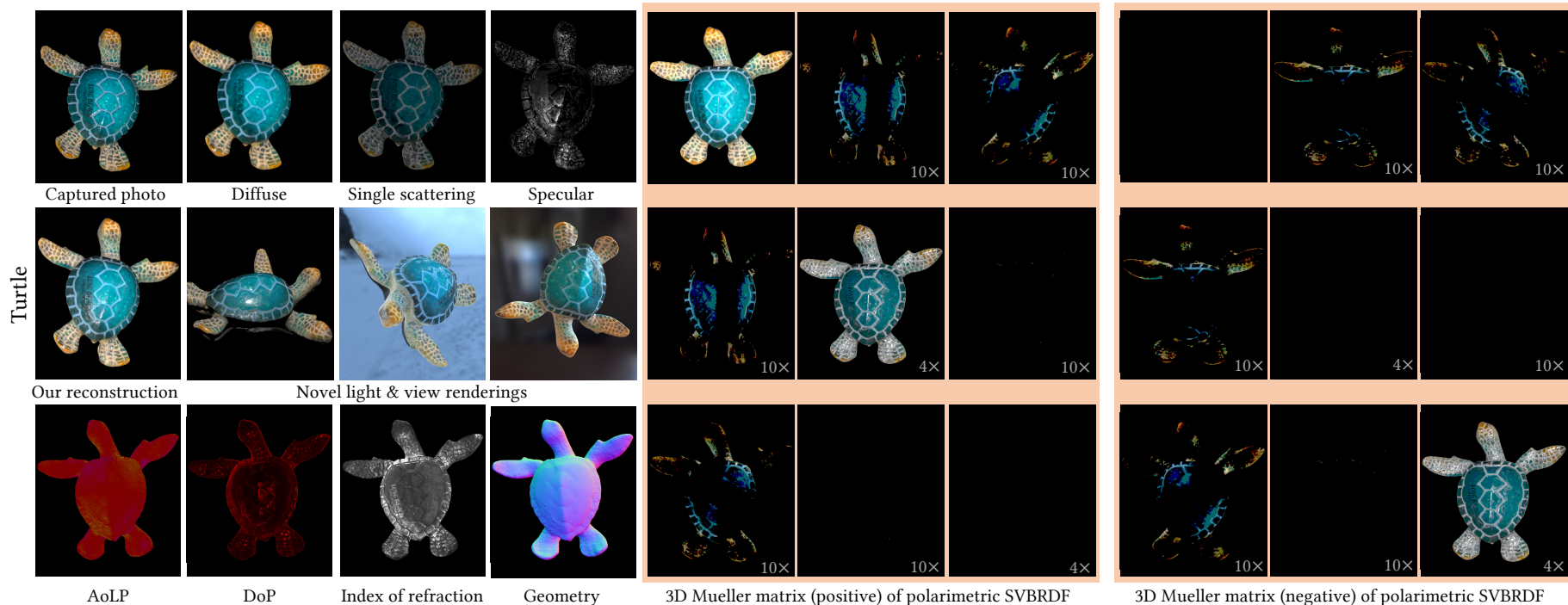


# Sparse Ellipsometry: Portable Acquisition of Polarimetric SVBRDF and Shape with Unstructured Flash Photography

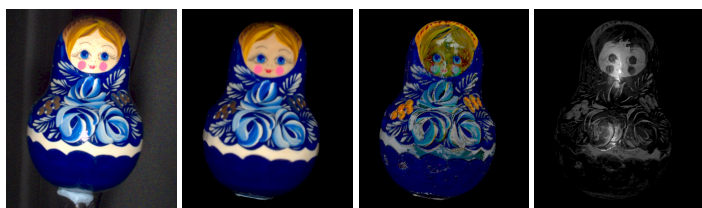
Inseung Hwang, Daniel S. Jeon, Adolfo Muñoz,  
Diego Gutierrez, Xin Tong, Min H. Kim

## Additional Results

Index	Objects	# of images
1	Turtle	332
2	Matryoshka	226
3	Owl	154
4	Chicken	239
5	Earth	96



Matryoshka

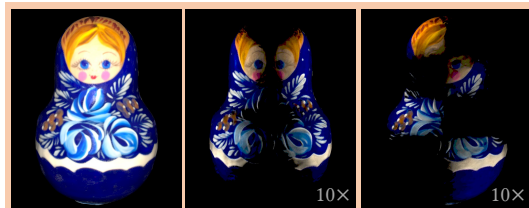


Captured photo

Diffuse

Single scattering

Specular



10×

10×



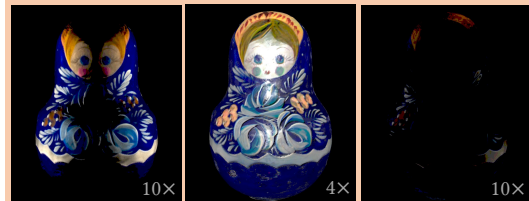
10×

10×



Our reconstruction

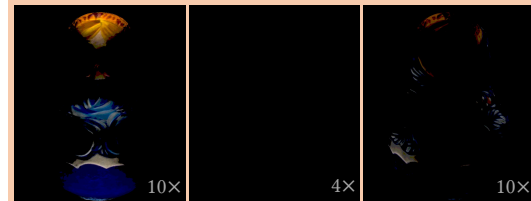
Novel light &amp; view renderings



10×

4×

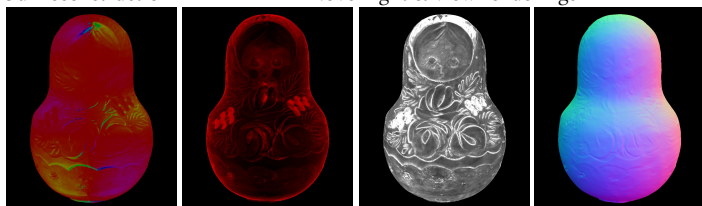
10×



10×

4×

10×

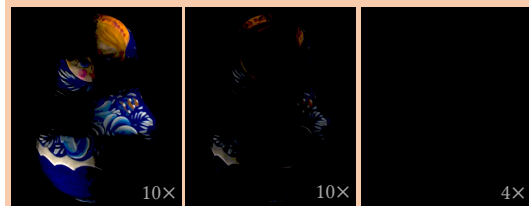


AoLP

DoP

Index of refraction

Geometry



10×

10×

4×



10×

10×

4×

3D Mueller matrix (positive) of polarimetric SVBRDF

3D Mueller matrix (negative) of polarimetric SVBRDF

Owl

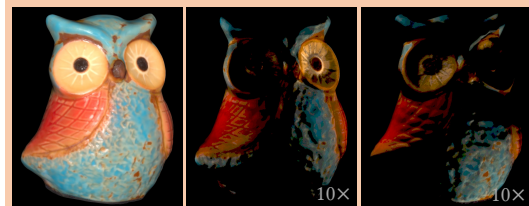


Captured photo

Diffuse

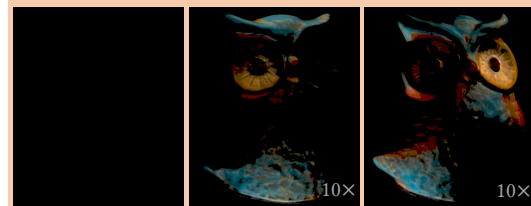
Single scattering

Specular



10×

10×



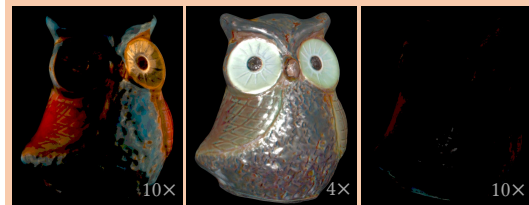
10×

10×



Our reconstruction

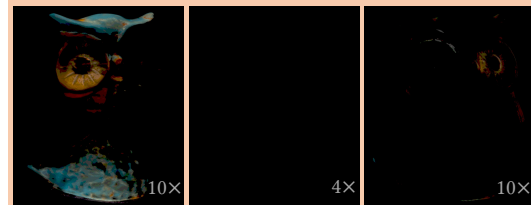
Novel light &amp; view renderings



10×

4×

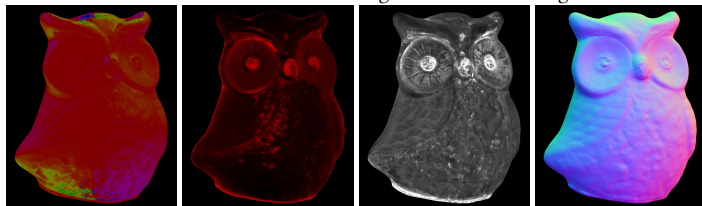
10×



10×

4×

10×



AoLP

DoP

Index of refraction

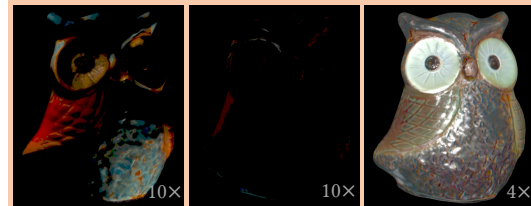
Geometry



10×

10×

4×



10×

10×

4×

3D Mueller matrix (positive) of polarimetric SVBRDF

3D Mueller matrix (negative) of polarimetric SVBRDF

