

Supplementary Material to “Unifying the Visual Perception of Humans and Machines on Fine-Grained Texture Similarity”

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Supplementary Notes

This is the supplementary material for the paper entitled **Unifying the Visual Perception of Humans and Machines on Fine-Grained Texture Similarity**. Constrained by the length limit of the paper and to briefly illustrate the effectiveness of our work, we performed a texture retrieval experiment using the *Pertex* data set and will present the results in this document. As we mentioned in the paper, 34 test textures were randomly selected from the *Pertex* data set. In the retrieval experiment, each texture was used as a **Query Texture** while the top 10 most similar textures to it were screened in descending order with regard to the similarity. Only the best model that we have reported in the paper was tested. Each set of results including the **Query** and the top 10 retrieval textures are shown in two rows. To make the similarity scores clear to readers, the scores predicted using our best model are displayed below each retrieval texture. All 34 sets of results are shown as fellows.

Similarity Texture Ranking

















