Some questions and observations about the structure of the Weihrauch degrees

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The Weihrauch degrees and their non-uniform analogue the computable degrees have seen much interest in computable analysis. More recently they have also played a prominent role in computable combinatorics and reverse mathematics. Each class of degrees forms a lattice and a number of papers have focused on their algebraic properties. In this talk I will survey some known facts about these structures and mention a few open questions. I will also present some new results concerning the density of the Weihrauch and computable lattices which contrast with the situation in the related Medvedev/Muchnik lattices. This is joint work with Lerman Patey and Solomon.