

**Meeting:** 1016, Notre Dame, Indiana, SS 8A, Special Session on Model Theory and Computability

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Hirschfeldt, Carl G. Jockusch, Jr., Timothy McNicholl and Sarah Pingrey.** *Strong degree  
spectra of relations.* Preliminary report.

For a computability theoretic reducibility  $r$ , the *r-degree spectrum* of a new relation  $R$  on a computable structure  $A$  is the set of all  $r$ -degrees of the images of  $R$  in all isomorphic computable copies of  $A$ . We focus on degree spectra for truth-table and weak truth-table reducibility of initial segments of computable linear orderings. These degree spectra results are connected with the results on degrees of ranked sets as discussed by Carl Jockusch in this session. (Received February 11, 2006)