1107-03-409   **Barbara Csima***, Department of Pure Mathematics, University of Waterloo, Waterloo, Ontario N2L 3G1, Canada, and **Keng Meng (Selwyn) Ng**. *Isomorphism notions restricted to particular classes of structures.* Preliminary report.

We say a computable structure $\mathcal{A}$ is **d**-categorical if there exists a **d**-computable isomorphism between any two computable copies of $\mathcal{A}$. We say a Turing degree **d** is a *degree of categoricity* if there is a structure $\mathcal{A}$ such that $\mathcal{A}$ is **d**-categorical and **d** is the least such degree. We say that **d** is *low for isomorphism* if for any computable structure $\mathcal{A}$, whenever there is a **d**-computable isomorphism between computable copies of $\mathcal{A}$, there is also a computable isomorphism. Finally, we say a degree **d** is *low for categoricity* if every **d**-categorical structure is computably categorical.

In this talk, we investigate the notions of degree of categoricity, low for isomorphism, and low for categoricity when restricted to particular classes of structures, such as equivalence structures and linear orderings. (Received January 19, 2015)