**Hjorth, Greg**
**Glimm-Effros for coanalytic equivalence relations.** (English) | Zbl 1178.03065 |

The author proves the following result in the style of the Glimm-Effros dichotomy (the latter concerns Borel equivalence relations): If every real has a sharp, then any $\Pi_1^1$ equivalence relation either Borel reduces $E_0$ or in a $\Delta_3^1$ manner allows the assignment of bounded subsets of $\omega_1$ as complete invariants to the equivalence classes. (The analogous result for $\Sigma_1^1$ equivalence relations was established earlier by the author and Kechris.) The author asks whether it is possible to replace $\Delta_3^1$ by $\Delta_2^1$, and whether the assumption of sharps is necessary.

Reviewer: Denis I. Saveliev (Moskva)

## MSC:

| | |
|---|---|
| 03E15 | Descriptive set theory |
| 03E60 | Determinacy principles |

Cited in **2** Documents

## Keywords:

definable equivalence relations; Glimm-Effros dichotomy

**Full Text:** DOI

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