



POLSKA AKADEMIA NAUK
Instytut Badań Systemowych

Mirosław KWIESIELEWICZ

**ANALITYCZNY HIERARCHICZNY
PROCES DECYZYJNY**

**Nierozmyte i rozmyte
porównania parami**



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Mirosław KWIESIELEWICZ

ANALITYCZNY HIERARCHICZNY PROCES DECYZYJNY

Nierozmyte i rozmyte porównania parami

Analityczny hierarchiczny proces decyzyjny (ang. Analytic Hierarchy Proces - AHP) należy do klasy metod wielokryterialnych podejmowania decyzji. Polega na wyborze najlepszego wariantu, ze skończonej, niezbyt dużej ich liczby, z uwzględnieniem wielu kryteriów. Metoda oparta jest na porównaniach parami wariantów, dokonywanych przez ekspertów, w oparciu o subiektywną preferencję jednego wariantu nad drugim. Wynikiem porównania może być ocena nierozmyta i rozmyta. Może również zaistnieć sytuacja braku ocen. Na podstawie uzyskanych ocen otrzymywane są wagi, wyrażające ważność poszczególnych wariantów.

Praca koncentruje się na analizie i ocenie głównych metod obliczania wag. Autor proponuje również własne podejście dla przypadku z brakującymi danymi oraz danymi nierozmytymi i rozmytymi.

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