

ISO 9276-4:2001-07 (E)

Representation of results of particle size analysis - Part 4: Characterization of a classification process

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Symbols	2
2.1	Symbols for specific terms	2
2.2	Subscripts	3
3	Characterization of a classification process based on error-free distribution curves and mass balances	3
3.1	Density distribution curves representing a classification process	3
3.2	Mass and number balances	4
3.3	Definitions of cut size, x_c	5
3.4	Grade efficiency, T , the grade efficiency curve, $T(x)$, (Tromp's curve)	6
3.5	Measures of sharpness of cut	7
4	The influence of systematic errors on the determination of grade efficiency curve	9
4.1	General	9
4.2	Systematic error due to a splitting process in the classifier	10
4.3	Incomplete dispersion of the feed material	11
4.4	The influence of comminution of the feed in the classifier	11
Annex A (informative) The influence of stochastic errors on the evaluation of grade efficiency curves		12
Bibliography		17