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| Nomenclature | |
| Notation | |
| B | Breakage matrix |
| f | Input size vector |
| o | Output size vector |
| Bij | The weight fraction of the size range j of the output material  obtained by milling the size range i of the input material |
| fj | The weight fraction of certain size fractions of the input |
| oi | The weight fraction of certain size fractions of the output |
| Y | Breakage matrix for predicting compositional distribution of output fractions |
| Yij | The weight fraction of certain compound in a corresponding output size fraction |
| P | Vector for describing content of some compound in the input fractions |
| Pj | Content of some compound in the input fractions |
| pi | Content of some chemical compound in the milling output size fractions |