

Handbuch Der Mechanischen Fest Flüssig Trennung

Handbuch der mechanischen Fest-Flüssig-Trennung Die Fest-Flüssig-Trennung. Methodik zur Auswahl und Bewertung von Technologien Die Mechanische Technologie der Bierbrauerei und Malzfabrikation Die Schule der Elementar-Mechanik und Maschinenlehre Die Schule der Elementar-Mechanik und Maschinenlehre Vorlesungen über die mechanische Theorie der Wärme Proceedings - International Congress of Surface Activity Die Schule der Elementar-Mechanik und Maschinenlehre für den Selbstunterricht ... Lehrbuch der Mechanik fester, flüssiger und gasförmiger Körper Wiederholungs- und Übungsbuch zum Studium der allgemeinen Physik und elementaren Mechanik Handbuch der Mechanischen Technologie Nachtrag-Katalog der Bibliothek der Königlichen rheinisch-westfälischen Technischen Hochschule zu Aachen Chemistry, Physics and Application of Surface Active Substances Zeitschrift des Österreichischen Ingenieur- und Architekten-Vereines Erziehungs-Blätter für Schule und Haus Zeitschrift des Österreichischen Ingenieur- und Architekten-Vereines Vorlesungen über die mechanische Theorie der Wärme Vorlesungen über die mechanische Theorie der Wärme Zeitschrift für physikalische Chemie, Stöchiometrie und Verwandtschaftslehre Zeitschrift für physikalische Chemie, Stöchiometrie und Verwandtschaftslehre Klaus Luckert Bünyamin Argac Franz Fasbender Schellen Neumann (Carl Gottfried) International Congress of Surface Activity Moritz Jesser Richard Klimpert Österreichischer Ingenieur- und Architekten-Verein Österreichischer Ingenieur- und Architektenverein Carl NEUMANN (Professor in the University of Leipsic.) Carl Neumann Wilhelm Ostwald

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Verwandtschaftslehre Klaus Luckert Bünyamin Argac Franz Fasbender Schellen Neumann
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bachelorarbeit aus dem jahr 2021 im fachbereich ingenieurwissenschaften maschinenbau
note 1 3 ruhr universität bochum thermo und fluiddynamik veranstaltung
fluidverfahrenstechnik sprache deutsch abstract das ziel dieser arbeit ist die erweiterung der
methodik zur auswahl von technologien der fest flüssig trennung um dies zu gewährleisten
wird erst die fest flüssig trennung vorgestellt anschließend werden verschiedene
trennverfahren der fest flüssig trennung vorgestellt wobei der fokus dieser arbeit auf der
filtration und sedimentation liegt zudem werden die beiden diskontinuierlichen apparate der
filterpresse und der röhrenzentrifuge welche in dieser arbeit genutzt werden vorgestellt
danach erfolgt die vorstellung der matching matrix mit den technischen und bewertenden
kriterien in dieser arbeit wird die fest flüssig matching matrix von schindel et al mit den
technischen kriterien von bahadur übernommen zuletzt wird das bewertende kriterium der
flexibilität vorgestellt und abschließend wird die matching matrix in bezug auf die
filterpresse und der röhrenzentrifuge mit den kriterien ausgewertet die fest flüssig trennung
ist in der industrie eine der meist genutzten trenntechniken besonders bei der herstellung
von pharmazeutika und feinchemischen produkten wird sie als grundoperation genutzt sie
findet aber auch anwendung in bereichen wie die mineral erz und abwasseraufbereitung da
sich die marktanforderungen jedoch mit der zeit ändern haben die produkte immer kürzere
lebenszyklen und zudem wird erwartet dass die prozesse immer effizienter und flexibler sein
müssen die fest flüssig trennung in der feinchemie branche und in der pharmaindustrie
erfolgt zur zeit am häufigsten im batch betrieb wo die flüssigkeit und der feststoff manuell
aus der apparatur entnommen werden müssen um den aktuellen marktanforderungen und
den prozessbedingungen gerecht werden zu können kann durch den abgleich mit den
technologieeigenschaften eine systematische auswahl von diskontinuierlichen fest flüssig
technologien erreicht werden dies kann ermöglicht werden wenn eine matching matrix mit
technischen und bewertenden kriterien für eine schnelle auswahl identifiziert und die
technologien einheitlich charakterisiert werden dementsprechend muss eine schnelle
auswahl von technologien ermöglicht werden damit geeignete technologien gewählt werden
können das aktuelle problem in diesem bereich ist jedoch dass bisher nur kontinuierliche
technologien ausgewählt werden können und nicht die momentan häufiger eingesetzten
batch technologien außerdem ist bisher nur ein ausschluss über technische kriterien und
nicht über bewertende kriterien möglich

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