

附件四、技術說明表



一種影像相位分類方法

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簡歷：(可列出相關連結，例如系所、研究室網頁)

<http://ai.robota.ntu.edu.tw/personal.php?id=67>

市場及需求：本技術可應用於電腦斷層影像之產業，包含如：影像系統商、醫療院所等、醫療院所系統整合供應商等。

技術摘要(含成果)：本技術將電腦斷層掃描影像的二維切片進行編碼後結合起來進行對比相位分類的研究，此研究可以降低對人工分類對比相位的需求並提供單相位或多相位對比研究所需的初步資料篩選。

優勢：本技術可提升電腦斷層分類之自動化程度，進而提升分類效率。可以減少因不同人員進行而影響分類之準確性與一致性。本技術之自動化流程能夠處理大量的影像數據，具可擴展性，適合應用於需要處理大規模影像數據的醫療機構和研究機構，滿足大規模臨床研究或診斷的需求。

競爭產品：目前市面無類似品。

專利現況：專利申請中。

聯絡方式(請不用填)：

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An Image Phase Classification Method

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Experience:

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Market Needs: This technology can be applied in industries related to computed tomography (CT) imaging, including image system vendors, medical institutions, and system integration suppliers for medical institutions.

Our Technology: This technology involves encoding two-dimensional slices of CT images and combining them to study phase contrast classification. This research can reduce the need for manual classification of contrast phases and provide preliminary data screening required for single-phase or multi-phase contrast studies.

Strength: This technology enhances the automation level of CT classification, thereby improving classification efficiency. It reduces human factors' impact on classification accuracy and consistency. The automated process of this technology can handle large volumes of image data, making it scalable and suitable for medical and research institutions that need to process large-scale image data, meeting the demands of large-scale clinical research or diagnosis.

Competing Products: There are currently no similar products on the market.

Intellectual Properties: patent pending.

Contact (do not need to fill out):

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