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nonlinear partial differential equations in computer numerical simulation operating systems. -- FAITH: A Fast, Accurate, and Lightweight Database-agnostic Learned Cost Model. -- Fast Approximate Temporal Butterfly Counting on Bipartite Graphs via Edge Sampling. -- Financial-ICS: Identifying Peer Firms via LongBERT from 10K Reports. -- BDQM. -- Establishing a Decentralized Diamond Quality Management System: Advancing Towards Global Standardization. -- Co-Estimation of Data Types and Their Positional Distribution. -- Enhancing Load Forecasting with VAE-GAN-based Data Cleaning for Electric Vehicle Charging Loads. -- ERDSE. -- Audio-guided Visual Knowledge Representation. -- Boundary Point Detection Combining Gravity and Outlier Detection Methods. -- A Meta-Learning Approach for Category-aware Sequential Recommendation on POIs. -- Automatic Post-Editing of Speech Recognition System Output Using Large Language Models. -- Comparative Analysis with Multiple Large-Scale Language Models for Automatic Generation of Funny Dialogues. -- Effectiveness of the Programmed Visual Contents Comparison Method for Two Phase Collaborative Learning in Computer Programming Education: A Case Study. -- Generating Achievement Relationship Graph between Actions for Alternative Solution Recommendation. -- Generating News Headline Containing Specific Person Name. -- Investigating Evidence in Sentence Similarity using MASK in BERT. -- Acceleration of Synopsis Construction for Bounded Approximate Query Processing. -- Query Expansion in Food Review Search with Synonymous Phrase Generation by LLM. -- Question Answer Summary Generation from Unstructured Texts by Using LLMs. -- Real Estate Information Exploration in VR with LoD Control by Physical Distance. -- Voices of Asynchronous Learning Students: Revealing Learning Characteristics through Vocabulary Analysis of Notes Tagged in Videos. -- Review Search Interface Based on Search Result Summarization Using Large Language Model. -- Yes-No Flowchart Generation for Interactive Exploration of Personalized Health Improvement Actions. -- GDMA. -- Enhancing Link Prediction Based on Simple Path Graphs. -- Construction of EMU fault knowledge graph based on large language model.

| Sommario/riassunto | This volume constitutes the papers of several workshops which were held in conjunction with the 29th International Conference on Database Systems for Advanced Applications, held in Gifu, Japan, during July 2-5, 2024. The 26 full papers and 9 short papers included in this book were carefully reviewed and selected from 43 submissions. DASFAA 2024 presents the following four workshops: The 10th International Workshop on Big Data Management and Service (BDMS 2024) The 9th International Workshop on Big Data Quality Management (BDQM 2024) The DASFAA 2024 Workshop on Emerging Results in Data Science and Engineering (ERDSE 2024) The 8th International Workshop on Graph Data Management and Analysis (GDMA 2024). |