

人机交互与人工智能: 从交替浮沉到协同共进

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摘要 人机交互与人工智能是智能信息时代备受关注的两大重要研究领域。通过人机交互与人工智能发展历程可以发现, 二者的关系从过去的此起彼伏逐渐变成了当下的相互促进。基于二者深度融合的典型应用也在教育、医疗等关键领域不断涌现。人机交互为人工智能提供了应用需求和研究思路, 而人工智能也驱动了人机交互技术的发展和变革。放眼未来, 人机交互与人工智能将保持当下这种相互促进、互相驱动的关系, 更加深入地融合并协同发展。

关键词 人机交互 人工智能 智能用户界面 人机共生

1 交替浮沉的历史

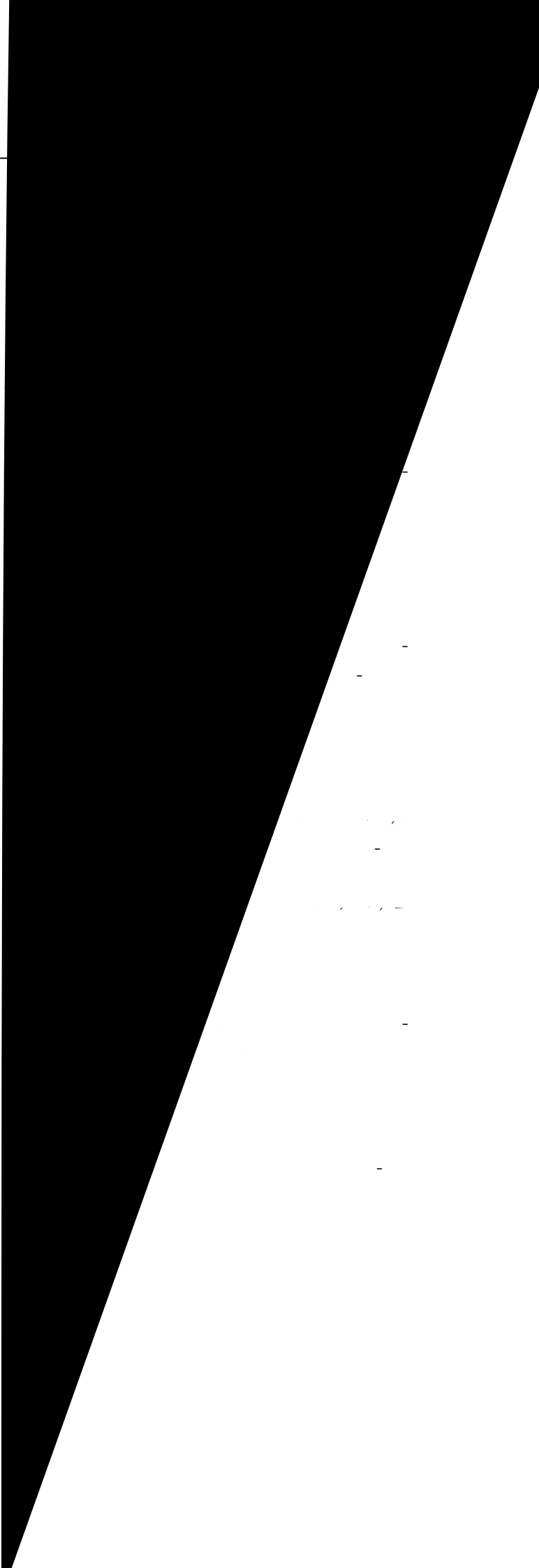
人机交互与人工智能作为智能信息时代的两大重要研究领域, 其发展历程充满了起伏与变革。从早期的简单交互到如今深度融合, 二者的关系经历了从交替浮沉到协同共进的转变。本文将回顾这一历史进程, 探讨其背后的驱动因素与未来发展趋势。

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3 协同共进的未来

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Human-computer interaction and artificial intelligence: from competition to integration

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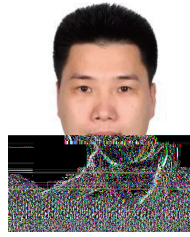
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Abstract Human computer interaction and artificial intelligence are the two important information technologies in the era of intelligent information. Through the developing histories of human computer interaction and artificial intelligence, we can find that the relationship between human computer interaction and artificial intelligence has changed from rising one after another in the past to mutual promotion in the present state. Some intelligent user interface combining both human computer interaction and artificial intelligence techniques has gradually become commercial application from research concept, such as natural gesture interaction, emotional computing, and voice dialogue system. This article reviews the development process summarizes the relationship of human computer interaction and artificial intelligence. Human computer interaction provides research ideas for artificial intelligence, and human intelligence drives the development of human-computer interaction 3001119an-cominel6pment proand vuu



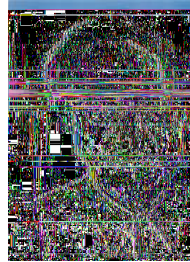
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