

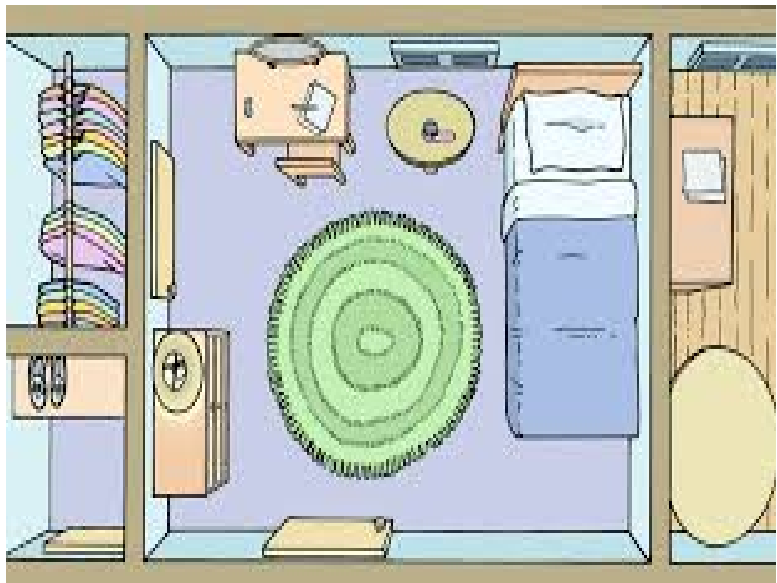
Magma-8B Multi-Technique Analysis Report

Generated: 2025-06-11 08:42:36

Model: Microsoft Magma-8B

Task/Prompt: Bring me a piece of a paper

Input Image



Analysis Results

STANDARD Technique

Direct prompting without additional reasoning steps

Response:

The paper is located on the desk in the room with the bed and round rug.

COT Technique

Chain-of-Thought: Step-by-step reasoning before final answer

Response:

the camera wearer takes the paper on the table

COD Technique

Chain-of-Draft: Draft thoughts followed by refined response

Response:

1. Plan actions for robot's tasks. 2. Ensure precision and safety. 3. Indoor scene analysis required. 4. 170cm humanoid robot target. 5. Safe actions for indoors. 6. Precise movements in rooms. 7. Avoid obstacles and hazards. 8. Efficient navigation within space. 9. Adapt to changing environments. 10. Considerate privacy and safety. 11. Collaborative efforts with humans. 12. Evaluate and improve strategies. 13. Continuous learning and adaptation. 14. Ethical considerations in AI development. 15. Balanced between functionality and safety. 16. Future research directions in robotics. 17. Technical advancements and innovations. 18. Potential applications and industries. 19. Social implications of robotic technology. 20. Education and training programs. 21. Safety standards and regulations. 22. Industry partnerships and collaborations. 23. Real-world case studies and examples. 24. Public perception and awareness. 25. Environmental impact assessment. 26. Integration with existing systems and infrastructure. 27. Long-term goals and objectives. 28. Multidisciplinary approaches and expertise. 29. Open-source platforms and code sharing. 30. International cooperation and collaboration. 31. Encouraging innovation and entrepreneurship. 32. Promoting diversity and inclusion in robotics. 33. Addressing ethical concerns

COT_CONSISTENCY Technique

Self-Consistency: Multiple reasoning paths with majority voting

Majority Vote Result:

I am not sure what you mean by "bring me a piece of a paper." However, I can tell you that if you need paper, you can typically find it in an office supply store or print it from your computer. If you have any specific questions or concerns about obtaining paper, please provide more context so I can assist you better.

All Samples:

Sample 1: I am not sure what you mean by "bring me a piece of a paper." However, I can tell you that if you need paper, you can typically find it in an office supply store or print it from your computer. If you have any specific questions or concerns about obtaining paper, please provide more context so I can assist you better.

Sample 2: the robot should move in the room.

Sample 3: A robot should be able to reach the book on the desk in order to bring it to the person in the bedroom.

Sample 4: A piece of paper can be found on the desk in the room.

Sample 5: A piece of paper can be found on the desk near the bookshelf in the bedroom.

Analysis Summary

This report compares four different prompting techniques applied to the Magma-8B vision-language model. Each technique has different strengths:

- **Standard:** Fast and direct, good for simple tasks
- **CoT:** Better reasoning for complex tasks requiring step-by-step thinking
- **CoD:** Iterative refinement for improved response quality
- **CoT-Consistency:** Most robust but computationally expensive, reduces hallucinations