

CAPP Testing and Development Requirements
CTI One Corporation

2022-4-21	Create this document, 190c-3b-testing-CAPP-hl-2022-4-21.odt https://github.com/hualili/robotics-open_abb/tree/master/aiv200/190c-path-planning/190c-3-collision-avoidance	HL

Table 1. Testing and Development Requirements

Type of Testing	Anticipated Result	Implementation and Actual Result
Type I Testing		
I-1. A to B without obstacle code name: AB-no	Shortest straight path	
I-2. A to B and B to C without obstacle code name: ABC-no	Shortest straight path	
I-3 A2B, B2C, ..., e.g., A2Z without obstacle code name: AZ-no	Shortest straight path	
Type II Testing		
II-1. A to B with one obstacle code name: AB-one	Shortest arch path	
II-2. A to B and B to C with one obstacle code name: ABC-one	Shortest arch path	
II-3 A2B, B2C, ..., e.g., A2Z with one obstacle code name: AZ-one	Shortest arch path	
Type III testing		
III-1. A to B with multiple obstacles code name: AB-mo	Shortest arch path	
III-2. A to B and B to C with multiple obstacles code name: ABC-mo	Shortest arch path	
III-3 A2B, B2C, ..., e.g., A2Z with multiple obstacles: code name: AZ-mo	Shortest arch path	

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