

Subject: ATAN with two arguments works like ATAN2
From: Van Snyder
Reference: 03-258r1, section 2.4.4.2

1 **Number**

2 TBD

3 **Title**

4 ATAN with two arguments works like ATAN2.

5 **Submitted By**

6 J3

7 **Status**

8 For consideration.

9 **Basic Functionality**

10 Define an alternative ATAN that works like ATAN2.

11 **Rationale**

12 ATAN is generic. It is surprising to students that they need to use ATAN2 just because they have the
13 two-argument formulation.

14 **Estimated Impact**

15 Minor: One more description for an existing intrinsic function — and we already have the description.

16 **Detailed Specification**

17 Provide a specification for how ATAN works with two arguments, based on how ATAN2 works.

18 **History**