

1086-K1-522

Susan McBurney* (smcburne@iit.edu). *DaVinci Revisited*.

This presentation continues an exploration of two pages of geometric sketches from the notebooks of Leonardo DaVinci that was presented by the author at the 2011 Joint Mathematics Meeting. DaVinci's interest in geometry was unwavering and thorough, but largely overshadowed by his accomplishments in other fields. It was even dismissed by some experts as a mere intellectual pastime. Nevertheless, careful examination shows not only the beauty of the pages, but reveals subtle geometric themes that possibly were intentional. This presentation will focus on discovering and analyzing such themes as well as exploring how they might be extended to generate new geometric artwork. It will also hopefully lead to a further appreciation of the work itself and serve to illuminate the mathematical environment in which it was created. (Received September 05, 2012)