†7-55   Figure P7-24 shows a drum-pedal mechanism. $O_2A = 100$ mm at 162° and rotates to 171° at A'. $O_2O_4 = 56$ mm, $AB = 28$ mm, $AP = 124$ mm, and $O_4B = 64$ mm. The distance from O_4 to F_{in} is 48 mm. If the input velocity V_{in} is a constant magnitude of 3 m/sec, find the output acceleration over the range of motion.