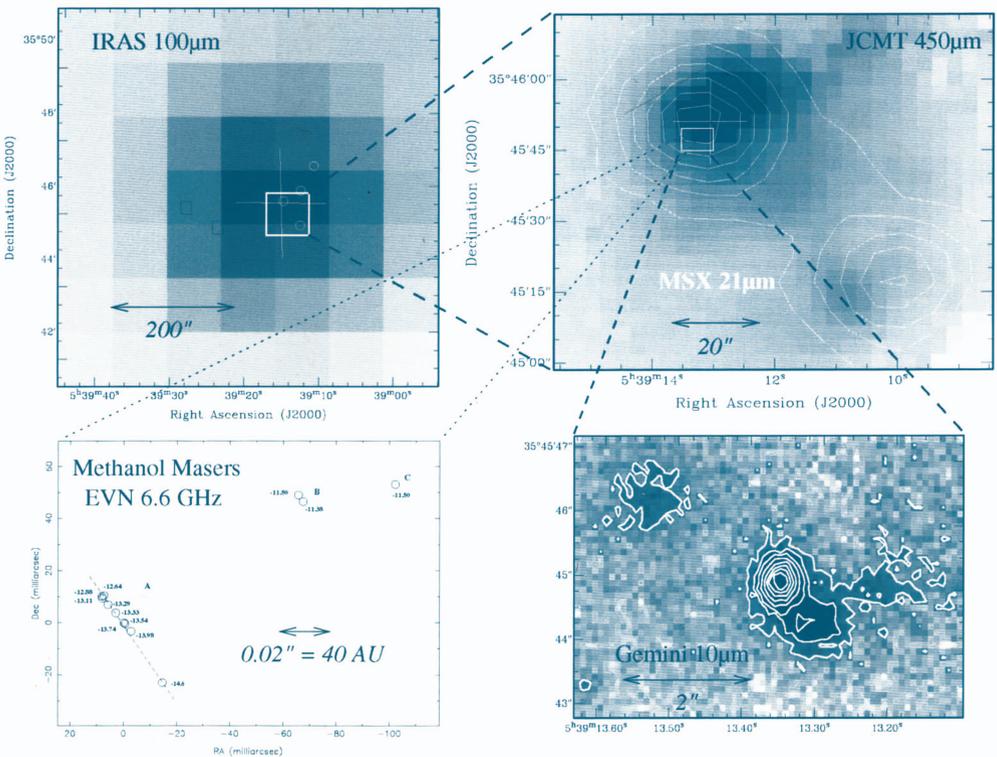


STAR FORMATION AT HIGH ANGULAR RESOLUTION

Edited by: MICHAEL BURTON, RAY JAYAWARDHANA and TYLER BOURKE



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Cover Illustration:

Revealing star formation through increasing angular resolution in the source G173.49+2.42 (S231-IR). Top-left is the *IRAS* 100 μm image of this $5 \times 10^4 L_{\odot}$ embedded object 1,800 pc away, harbouring a massive protostellar core. The position of a methanol maser is marked with a cross, and two UCHII regions with squares. Four sub-millimetre sources are associated with the *IRAS* source (circles), and two of these are illustrated in the higher angular resolution view to top-right. This shows the JCMT image at 450 μm overlaid with contours of 21 μm emission, as imaged with the *MSX* satellite. The methanol maser is coincident with the brightest sub-mm and mid-IR core. Imaging this core with Gemini at 10 μm at arcsecond resolution resolves it into at least four sources (bottom-right). Probing it at milli-arcsecond resolution with the European VLBI Network (EVN) shows three clusters of methanol masers (bottom-left), with a clear 2 km/s velocity gradient over the 100 AU extent of the eastern maser cluster. Scale bars show the relative angular resolution of each frame.

Data provided by: Vincent Minier, Steven Longmore and Michael Burton.

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AT HIGH ANGULAR RESOLUTION**

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