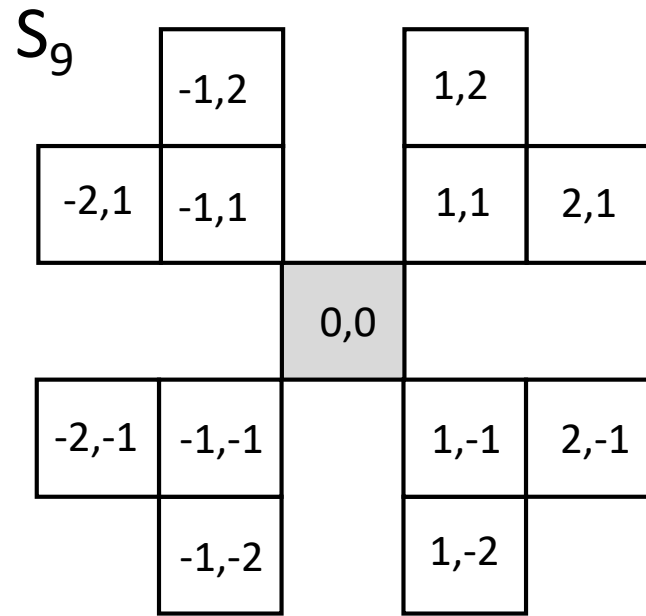




Central Stencil

Fig. A.2 shows the eight upwinded stencils for obtaining the cross terms in 2D at fifth order. They are labeled S_1 to S_8 and the direction of the wind is also shown with an arrow. The stencil S_9 is a central stencil at fifth order. The zone of interest, where the reconstruction has to be carried out, is shaded and labeled “0,0”. The other zones are labeled relative to that zone.