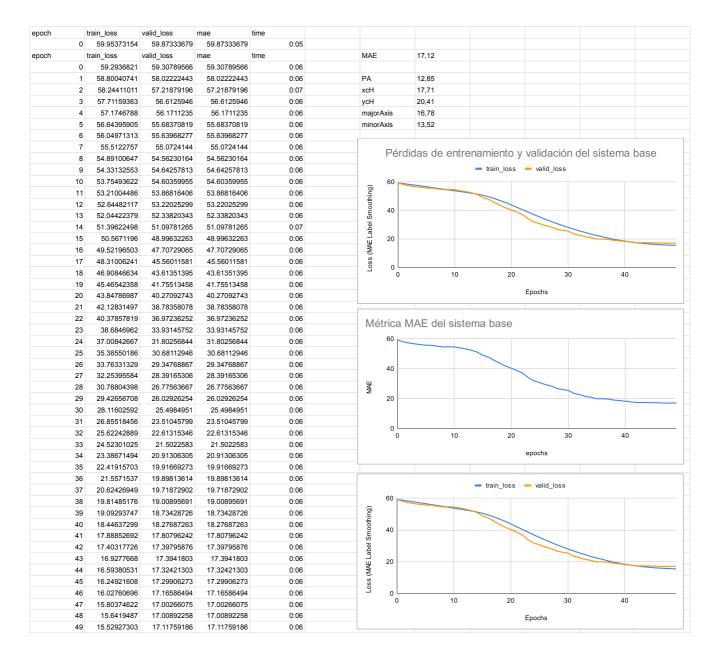
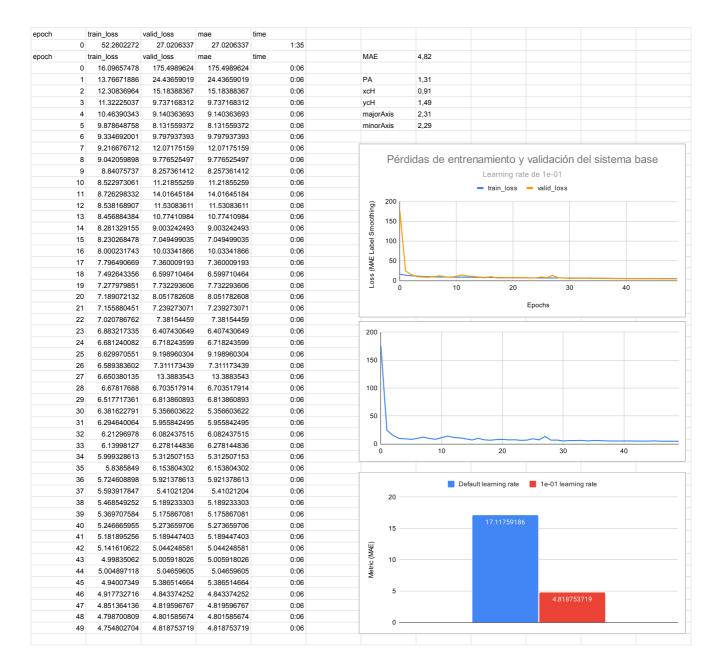
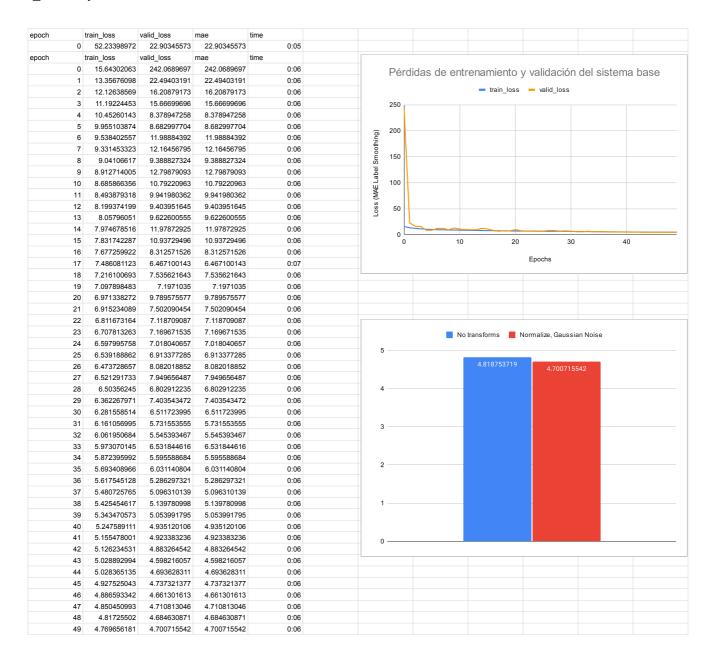
Results\_summary 1.1.-Sistema\_base

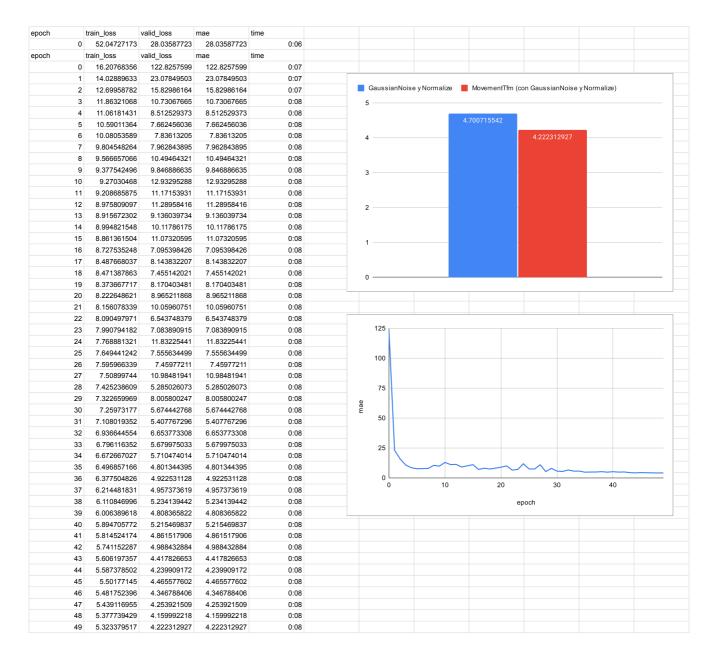




Results\_summary 2.1.-Tfms-GNoise



Results\_summary 2.2-Tfms-Mvmt



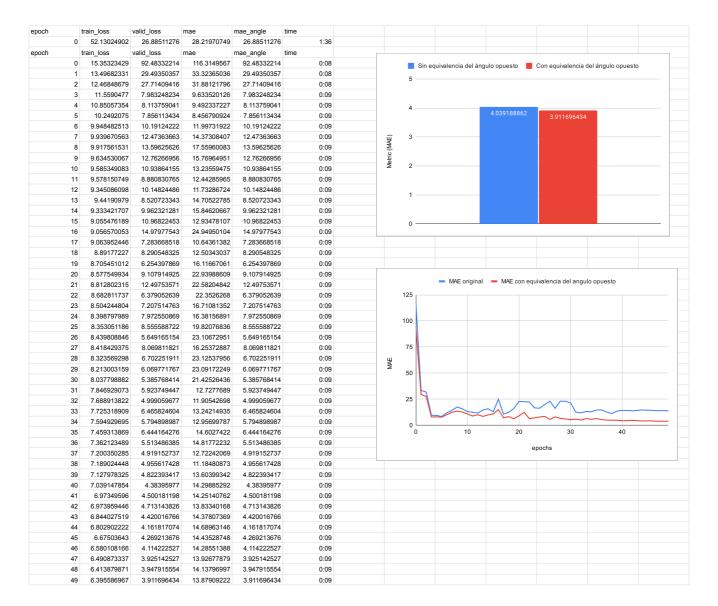
Results\_summary 2.3-Tfms-Rotate



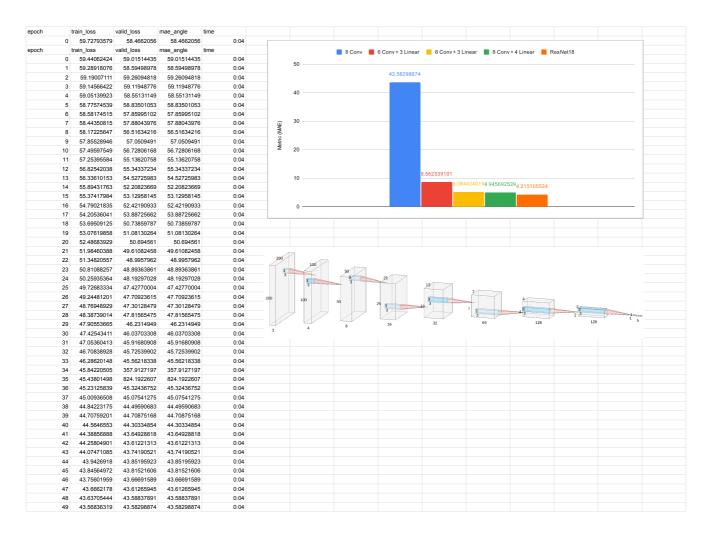
Results\_summary 2.4-Tfms-All

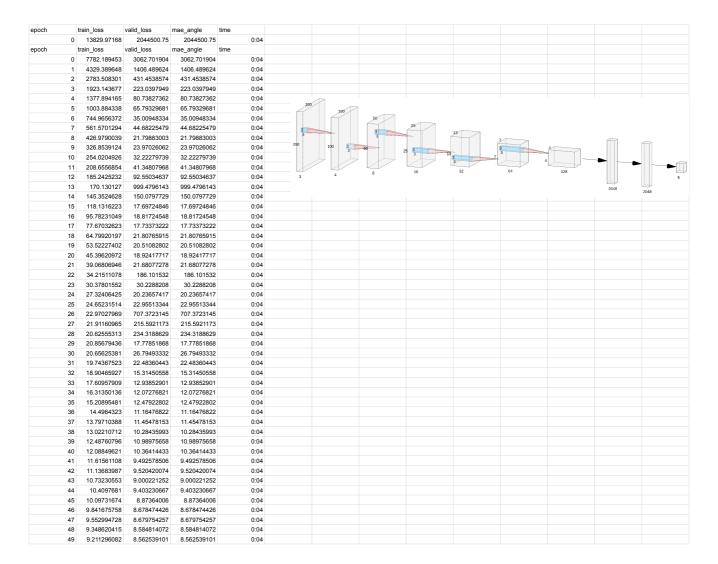


Results\_summary 3-Angle

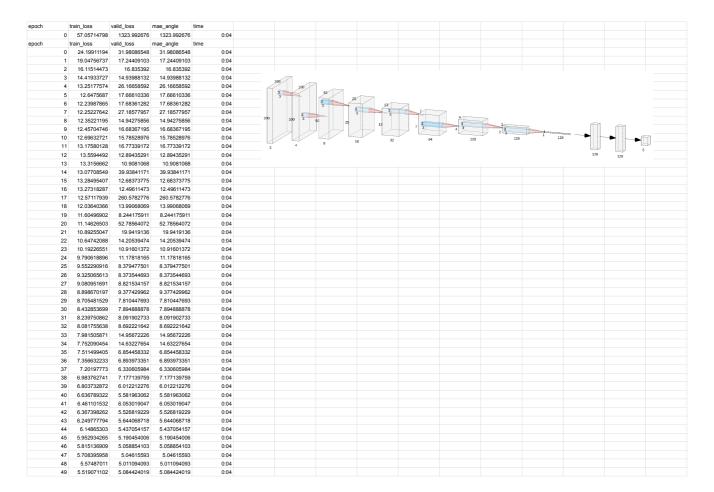


Results\_summary 4.1.-CNN-8conv

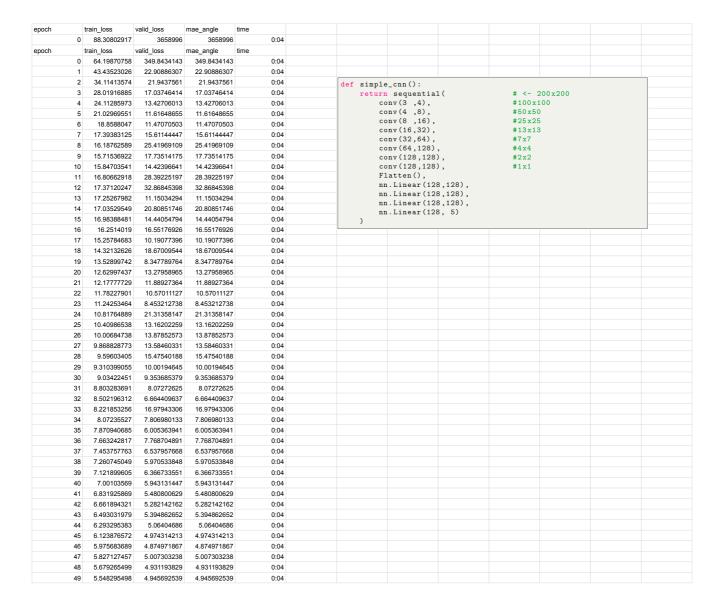




Results\_summary 4.3.-CNN-8conv\_3linear



Results\_summary 4.4.-CNN-8conv\_4linear



Results\_summary 4.5.-CNN-ResNet18

epoch		train_loss	valid_loss	mae_angle	time					
	0	52.45162582	40.58101273	40.58101273	1:52					
epoch		train_loss	valid_loss	mae_angle	time	learn = cn	n learner/			
	0	14.54671383	25.86151695	25.86151695	0:06	<pre>learn = cnn_learner(     dls, resnet18,     metrics = mae angle,</pre>				
	1	12.61101246	10.98160458	10.98160458	0:06					
	2	11.41543579	9.642669678	9.642669678	0:06	<pre>loss_func=mae_label_smoothing_angle, cbs = [</pre>				
	3	10.84736347	8.862018585	8.862018585	0:05					
	4	10.58529854	9.764378548	9.764378548	0:06		owGraphCall			
	5	10.25718498	11.17044163	11.17044163	0:05		VLogger(fnar	ne=csv_path	, append=tru	e)
	6	9.887062073	8.710762978	8.710762978	0:06	)				
	7	9.600913048	11.67406082	11.67406082	0:06	,				
	8	9.615699768	10.03939819	10.03939819	0:06					
	9	9.629380226	12.86807537	12.86807537	0:06					
	10	9.71000576	11.31438065	11.31438065	0:06					
	11	9.593191147	10.78139782	10.78139782	0:06					
	12	9.594537735	9.257903099	9.257903099	0:06					
	13	9.447477341	10.08505535	10.08505535	0:06					
	14	9.257442474	8.67951107	8.67951107	0:06					
	15	9.009102821	9.489330292	9.489330292	0:06					
	16	8.824462891	8.830742836	8.830742836	0:06					
	17	8.729857445	9.20661068	9.20661068	0:06					
	18	8.977952957	21.07271576	21.07271576	0:06					
	19	9.042396545	7.461384296	7.461384296	0:06					
	20	8.840611458	6.577373505	6.577373505	0:06					
	21	8.664148331	6.788990974	6.788990974	0:06					
	22	8.540624619	7.330665112	7.330665112	0:06					
	23	8.384679794	7.018182278	7.018182278	0:06					
	24	8.301711082	7.531926632	7.531926632	0:06					
	25	8.32258606	8.830720901	8.830720901	0:06					
	26	8.317789078	6.456150532	6.456150532	0:06					
	27	8.161967278	6.545367718	6.545367718	0:05					
	28	8.052829742	6.694919109	6.694919109	0:06					
	29	8.105623245	9.24079895	9.24079895	0:06					
	30	8.236409187	6.849930286	6.849930286	0:06					
	31	8.207005501	6.143426418	6.143426418	0:06					
	32	8.038319588	6.550918579	6.550918579	0:06					
	33	7.901584625	6.18900156	6.18900156	0:06					
	34	7.784224033	6.175678253	6.175678253	0:06					
	35	7.71340847	6.465015888	6.465015888	0:06					
	36	7.581870556	5.632621765	5.632621765	0:06					
	37	7.496272564	5.479718208	5.479718208	0:06					
	38	7.413432598	5.01666069	5.01666069	0:06					
	39	7.334882736	4.933948994	4.933948994	0:05					
	40	7.206153393	4.687387466	4.687387466	0:06					
	41	7.092870235	4.578873634	4.578873634	0:06					
	42	7.005785465	4.545853615	4.545853615	0:06					
	43	6.886572838	4.23263216	4.23263216	0:06					
	44	6.812350273	4.214941025	4.214941025	0:06					
	45	6.758116722	4.625423908	4.625423908	0:06					
	46	6.6813941	4.385443687	4.385443687	0:06					
	47	6.604685307	4.190562248	4.190562248	0:06					
	48	6.60178566	4.22110033	4.22110033	0:06					
	49	6.55737257	4.215105534	4.215105534	0:06					